

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION

Inventor(s): Joseph L. DeBellis

Contact Name: Aldo Noto (703) 288-5250

Attorney Docket No.: 5607

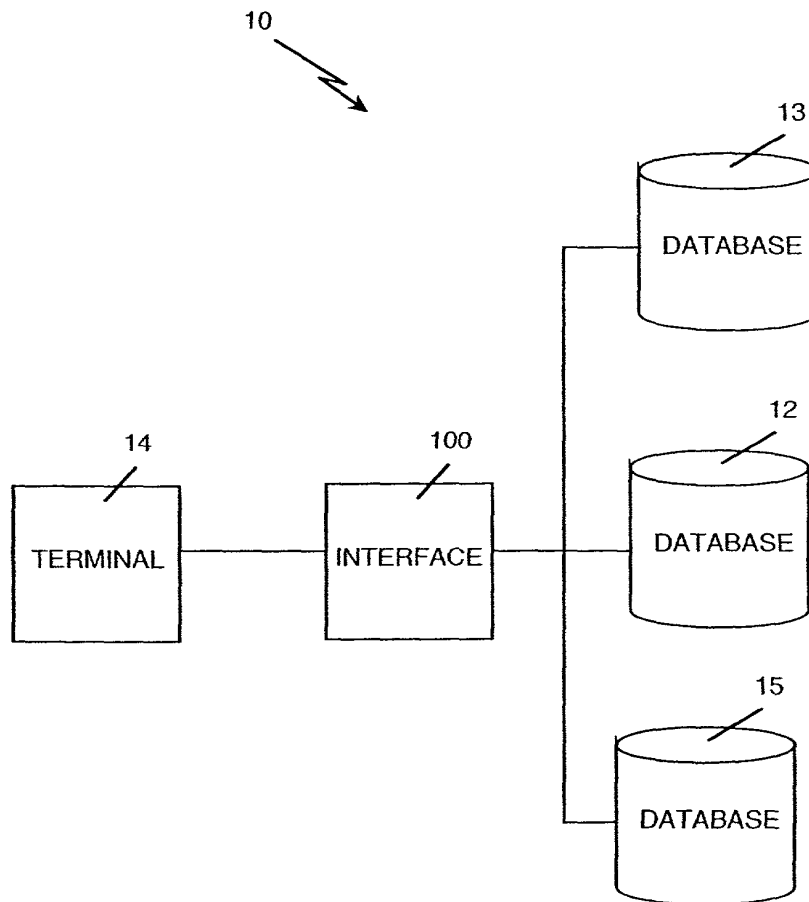


FIG. 1

FIG. 2

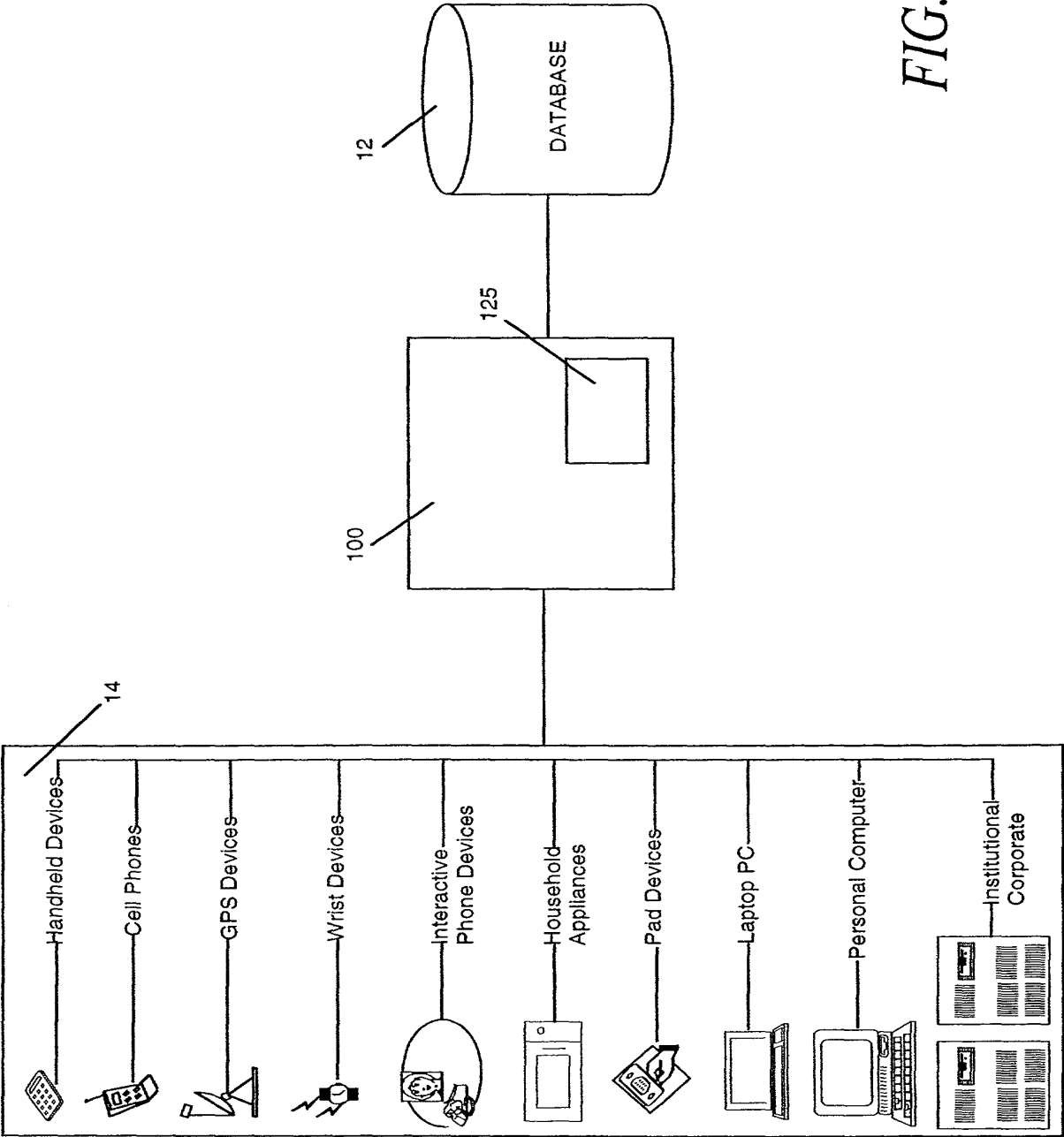


FIG. 2

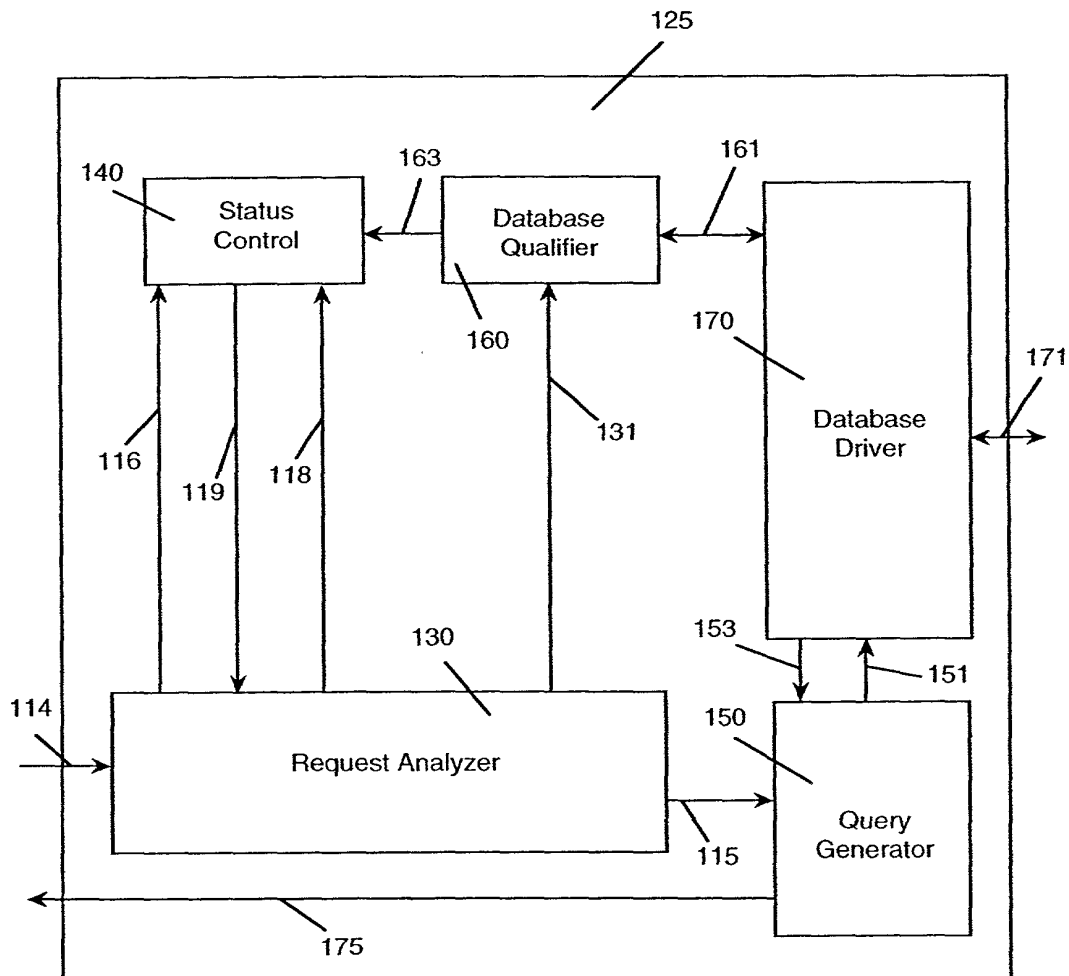


FIG. 3

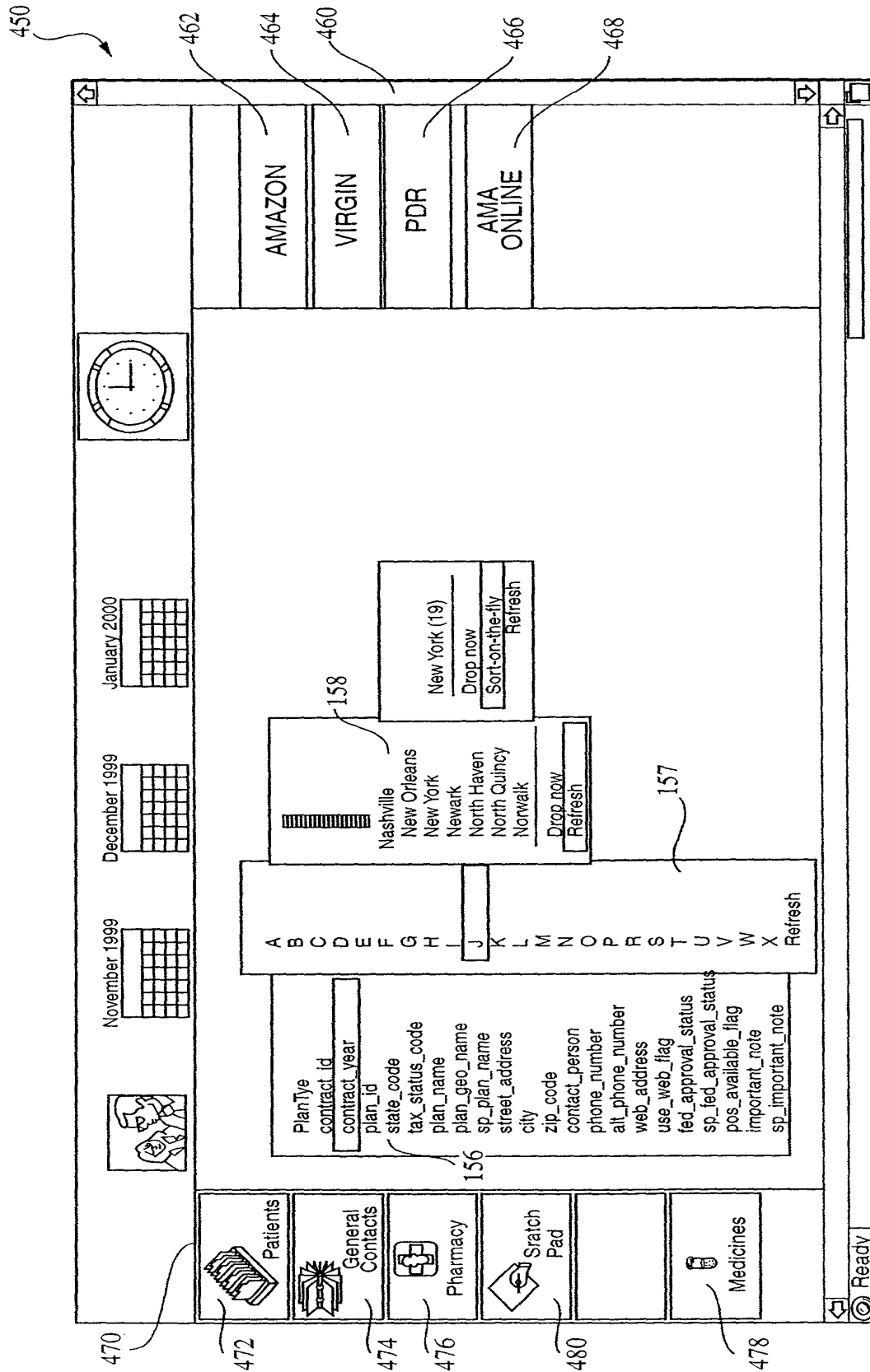


FIG. 4

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Contact Name: Aldo Noto (703) 288-5250
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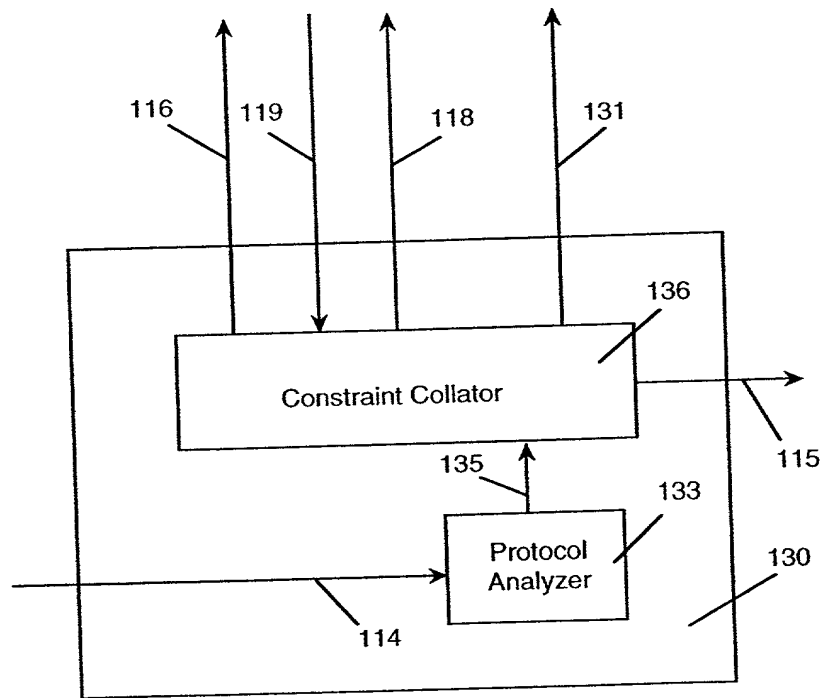


FIG. 5

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION
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Attorney Docket No.: 5607

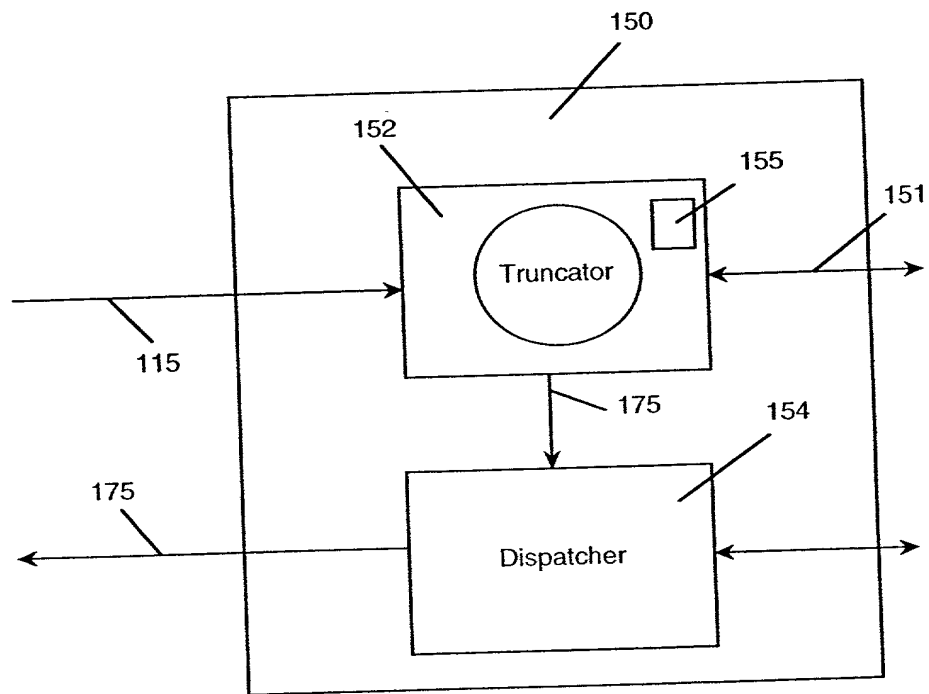


FIG. 6

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION

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Attorney Docket No.: 5607

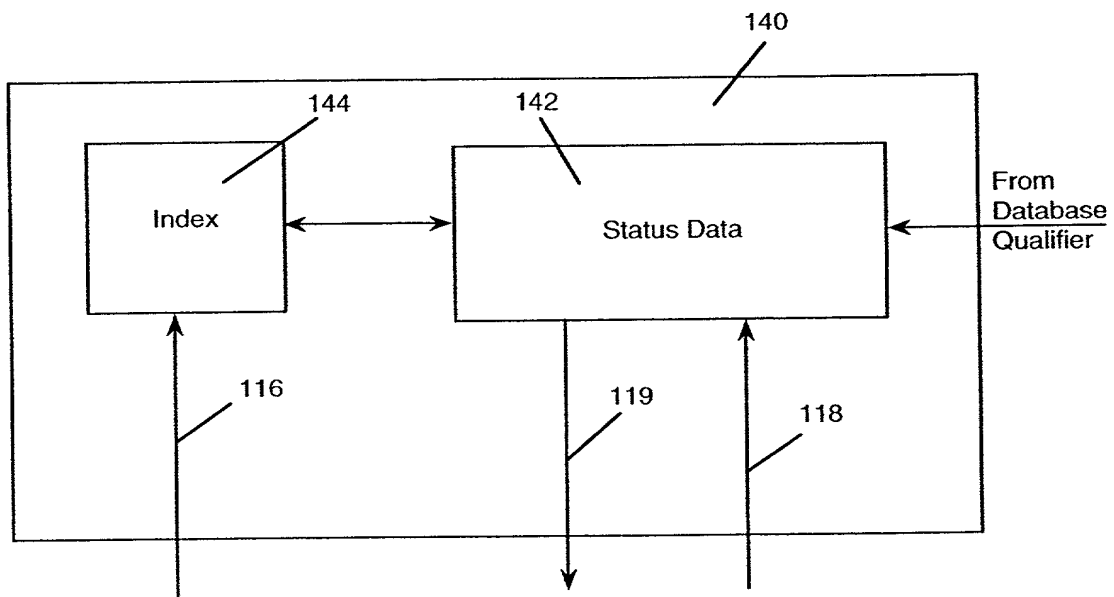


FIG. 7

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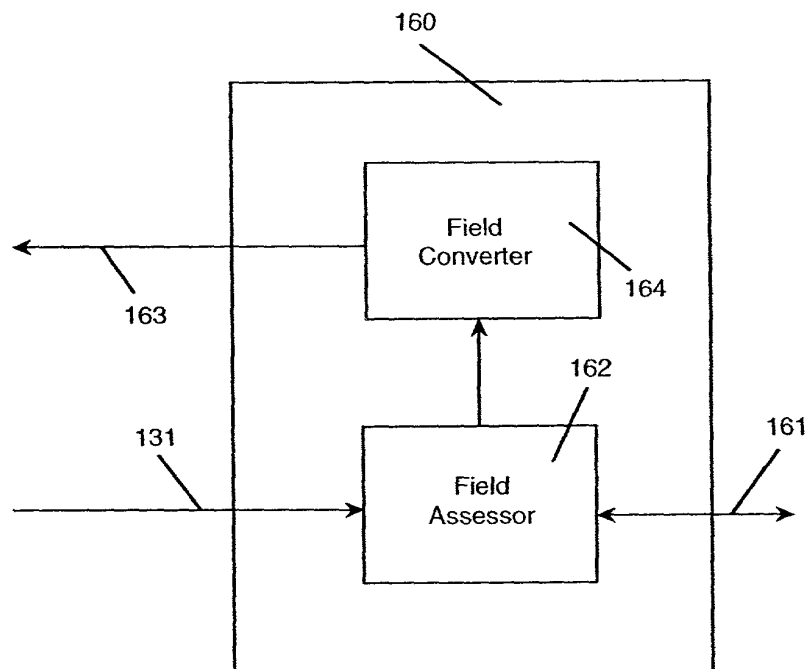


FIG. 8

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION
Inventor(s): Joseph L. DeBellis
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Attorney Docket No.: 5607

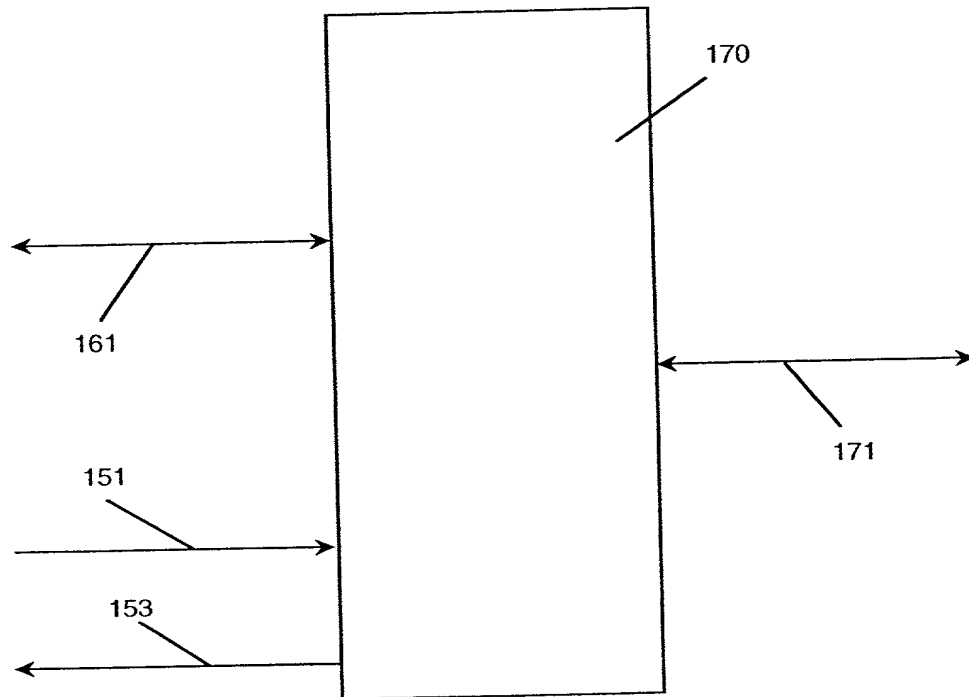


FIG. 9

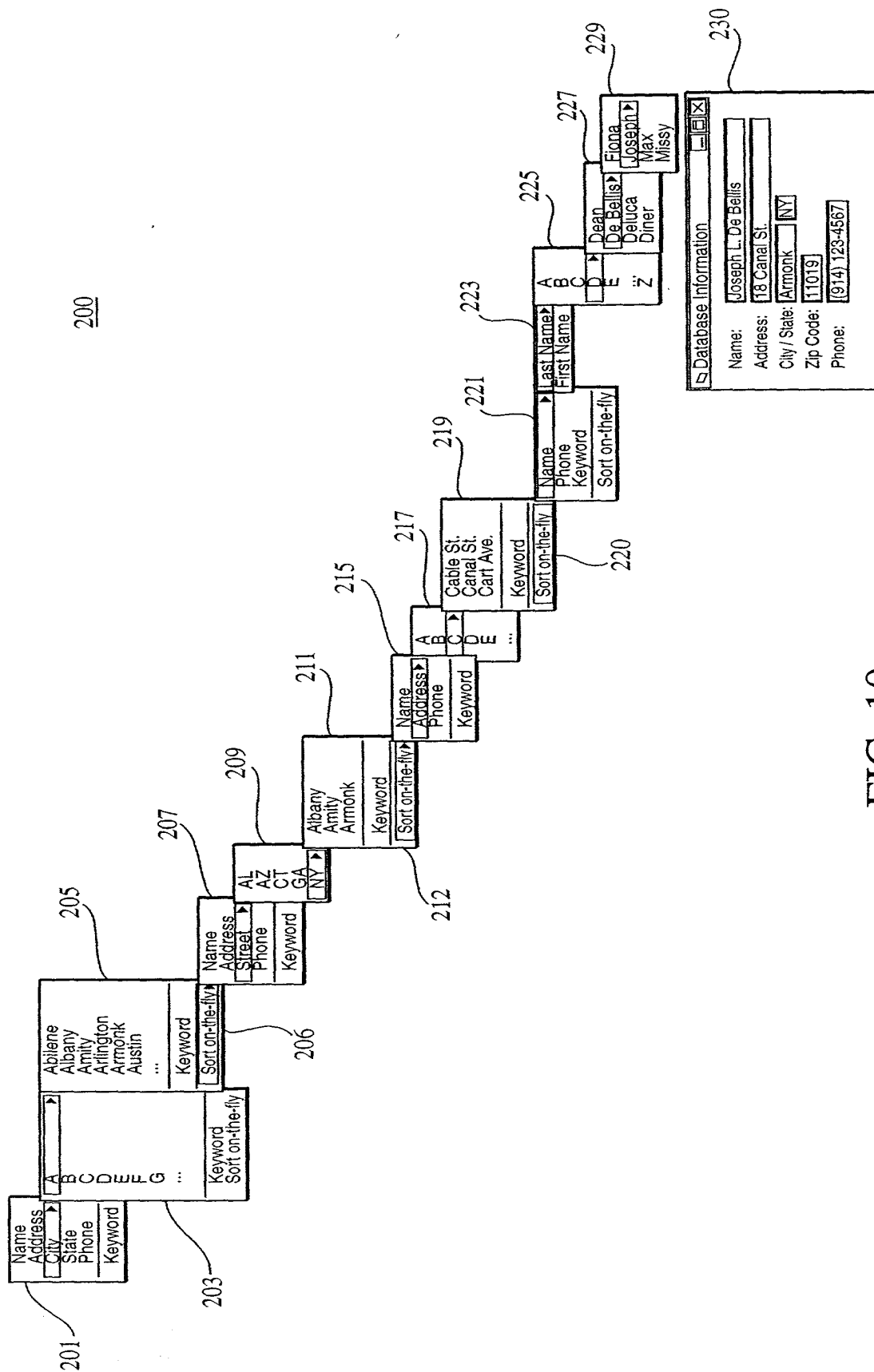
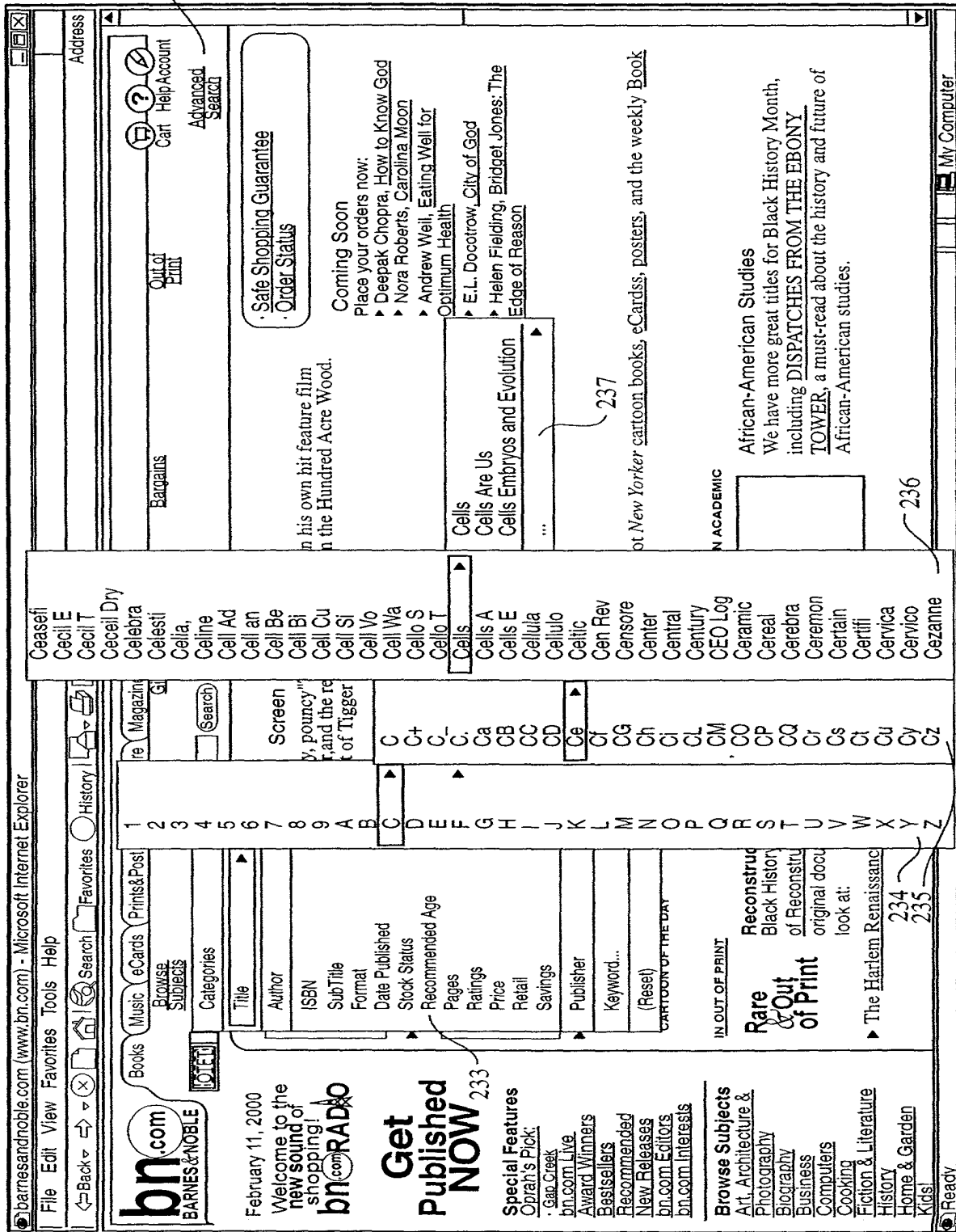
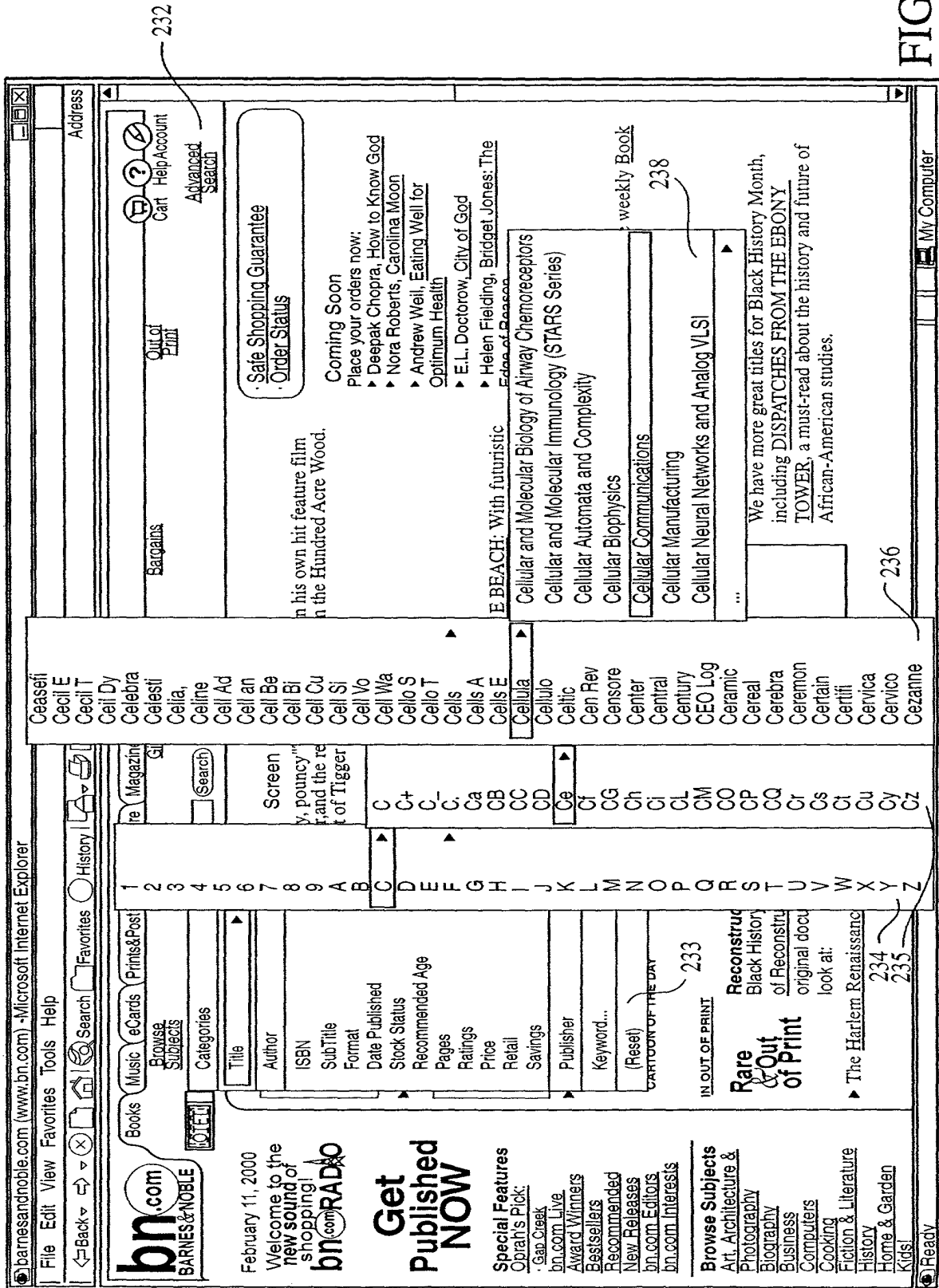


FIG. 10

[illegible]



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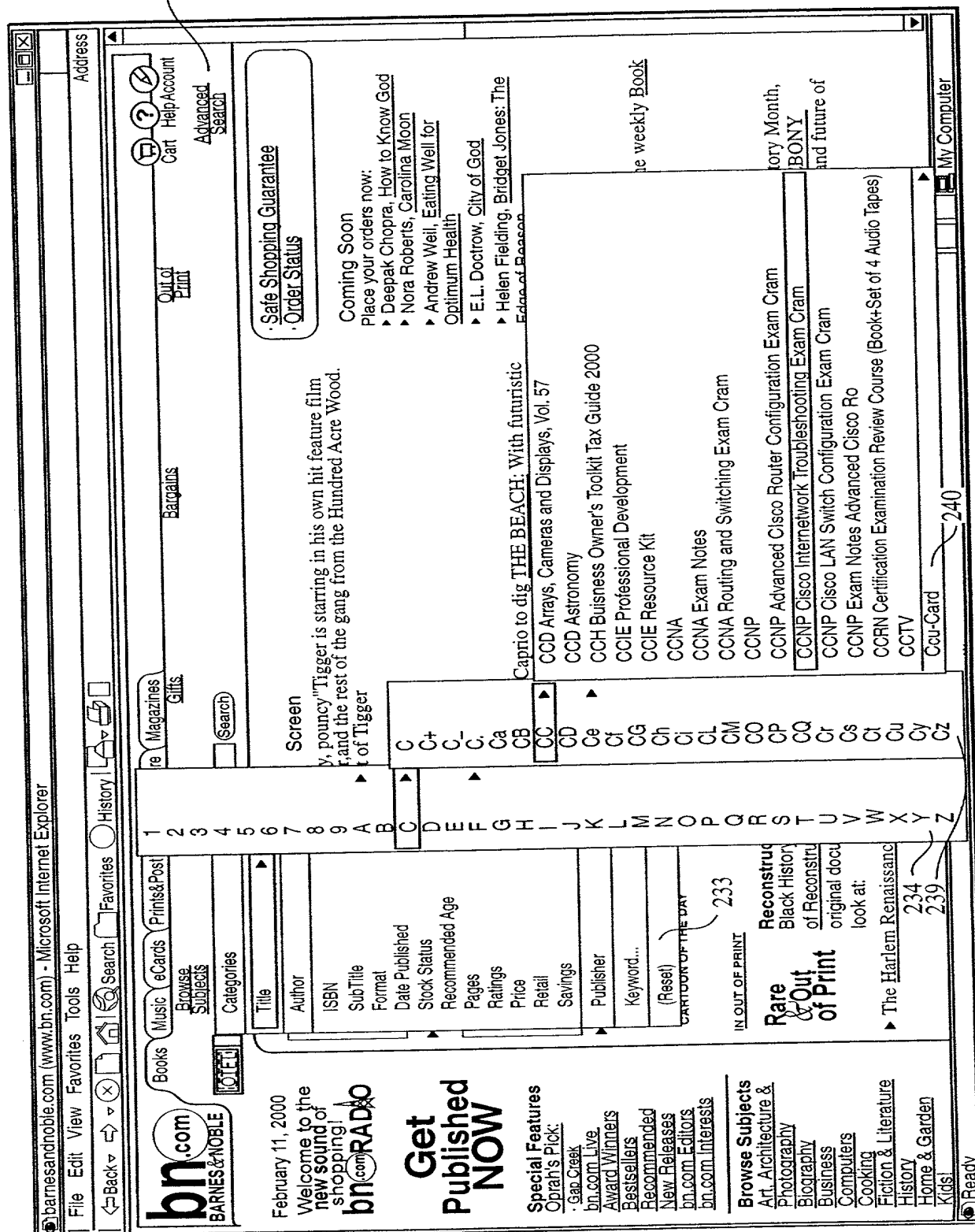


FIG. 13

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION
 Inventor(s): Joseph L. DeBellis
 Contact Name: Aldo Noto (703) 288-5250
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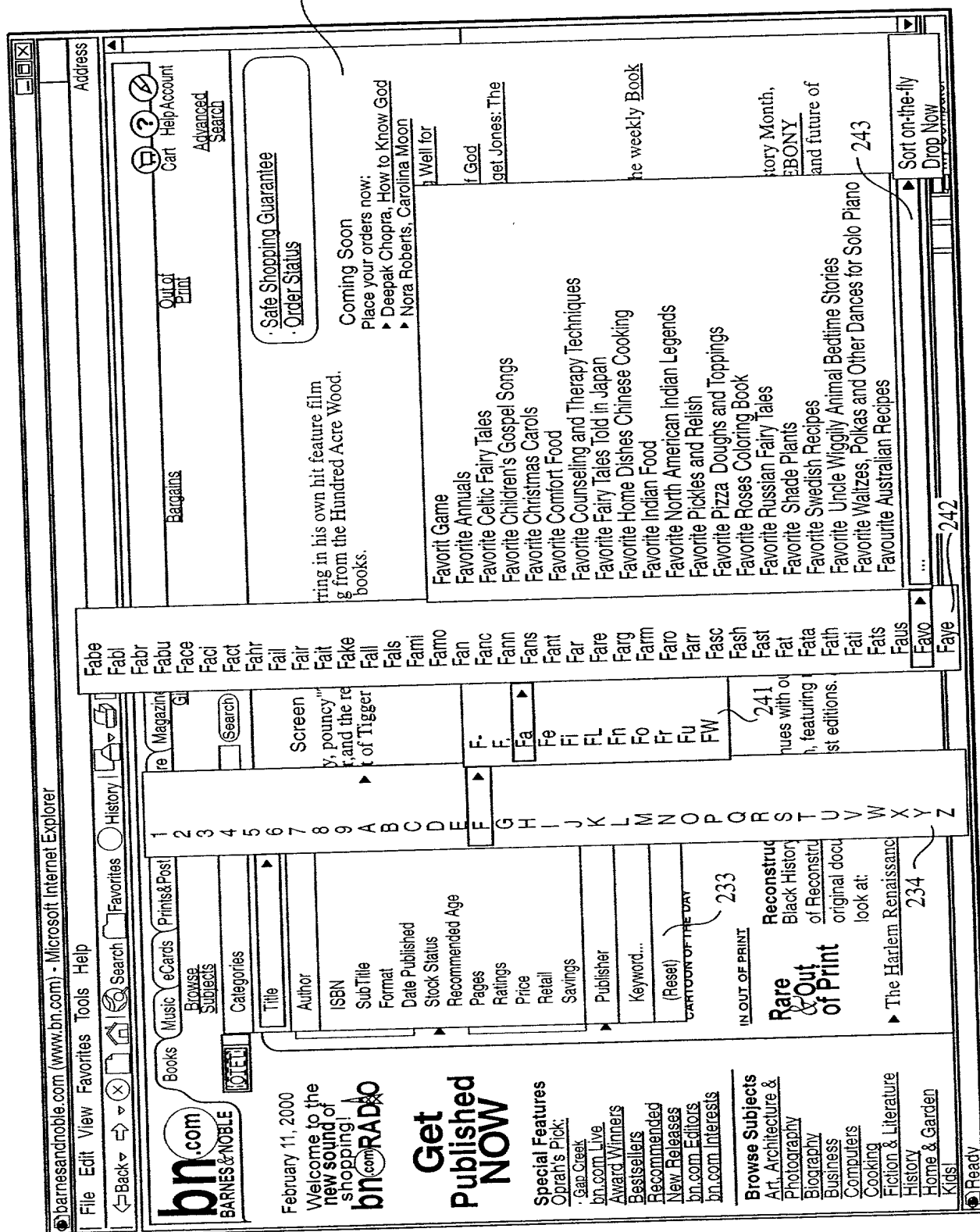
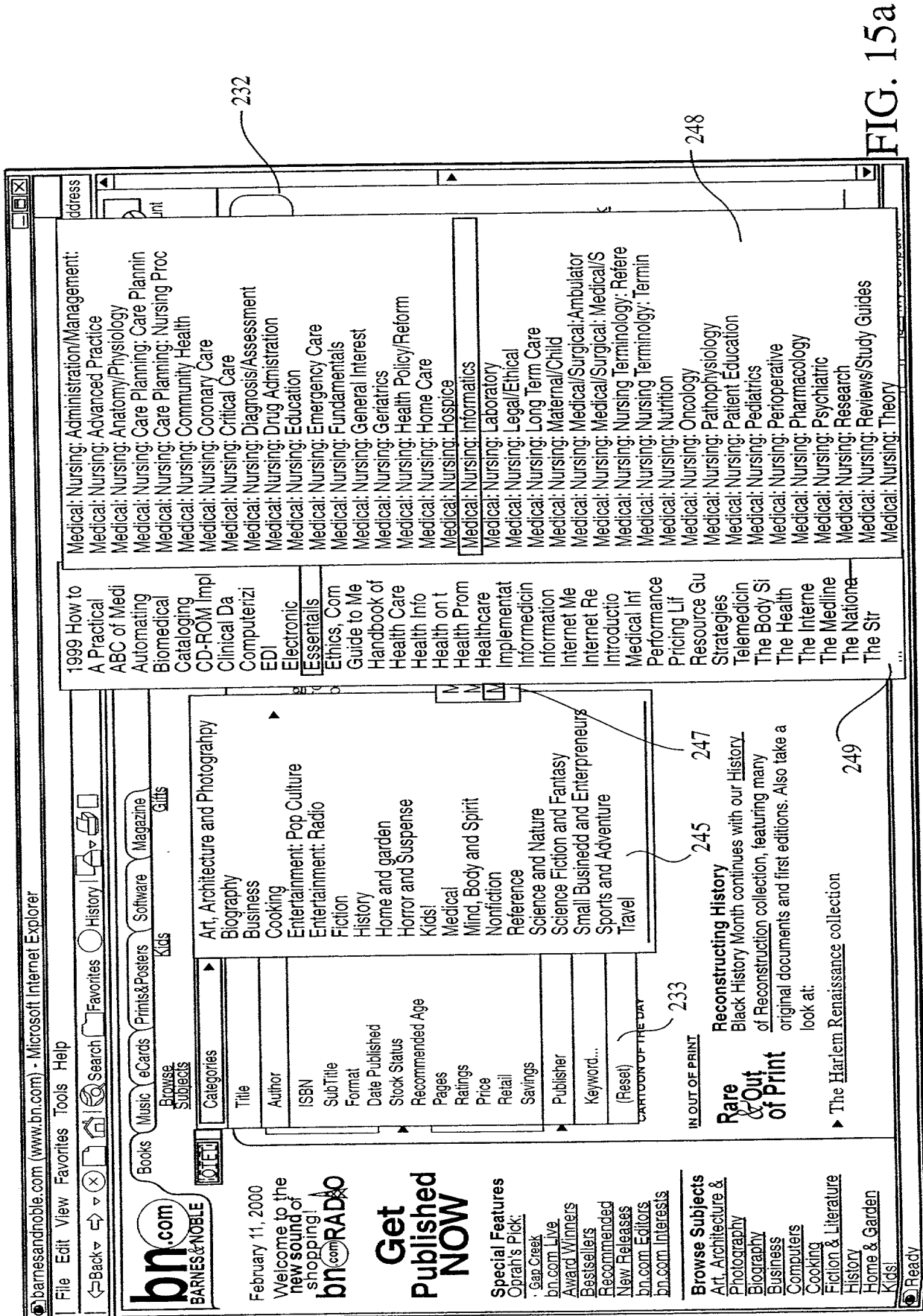


FIG. 14



Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION

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Contact Name: Aldo Noto (703) 288-5250

Attorney Docket No.: 5607

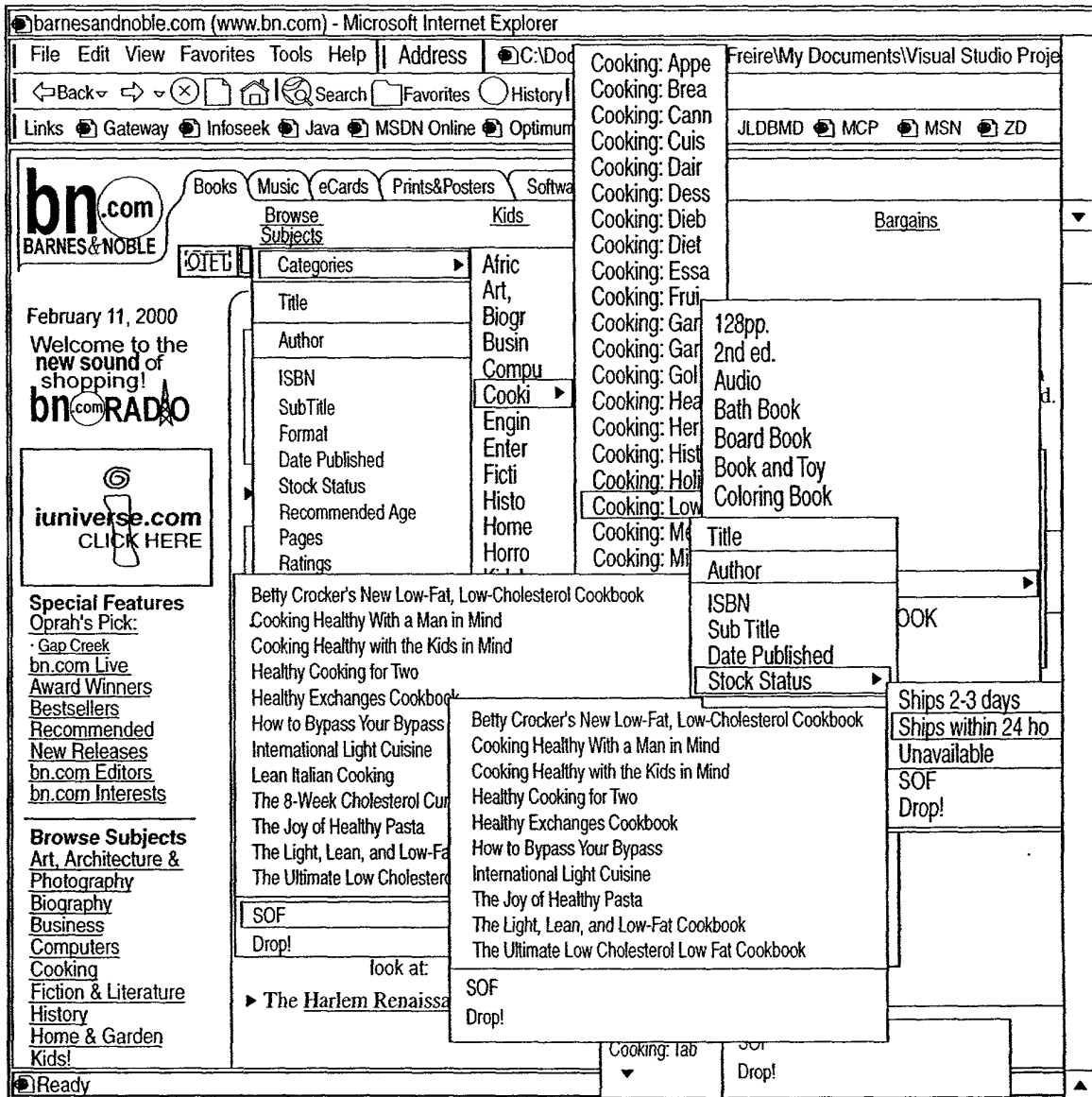


FIG. 15b

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION

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Contact Name: Aldo Noto (703) 288-5250

Attorney Docket No.: 5607

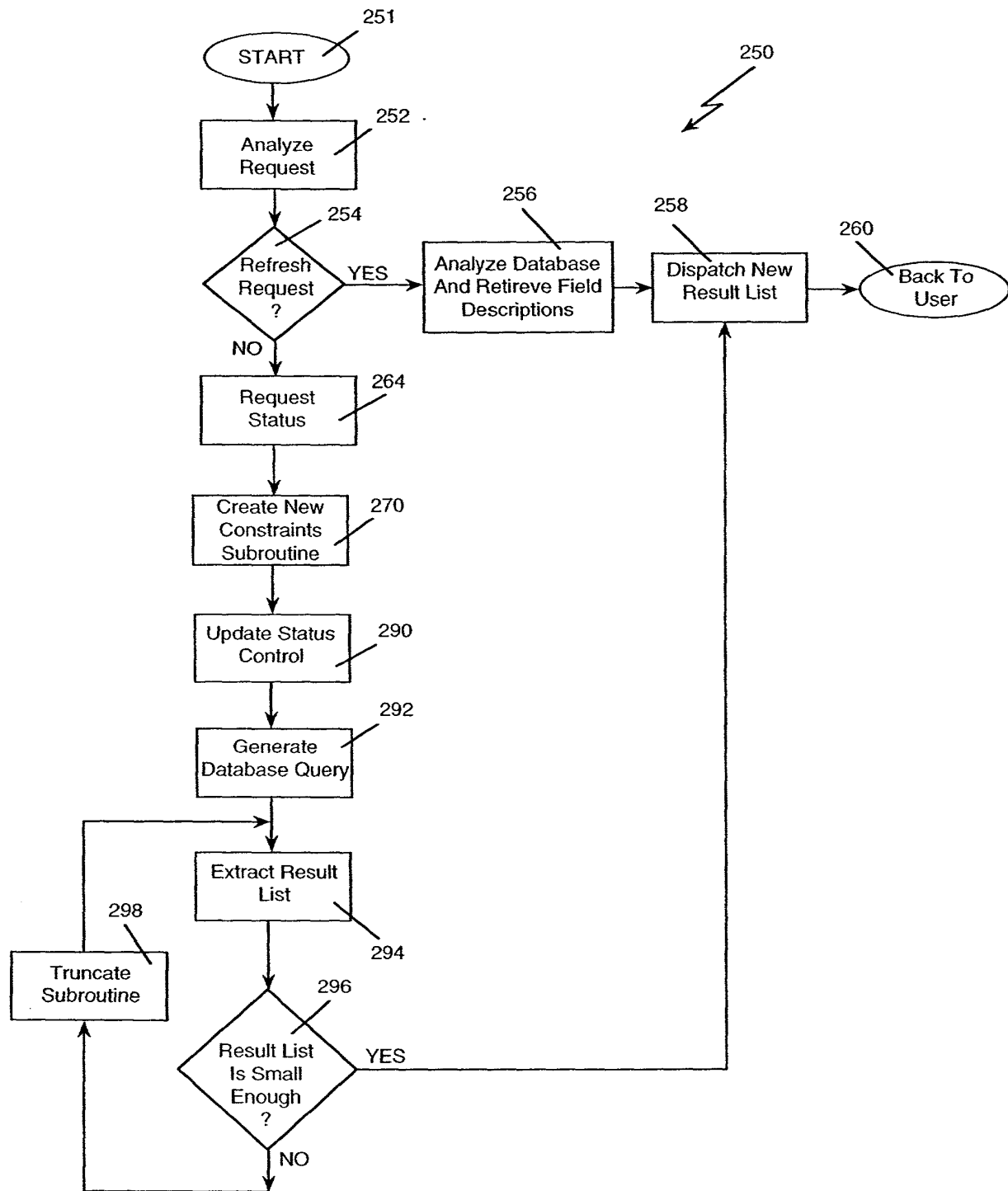


FIG. 16

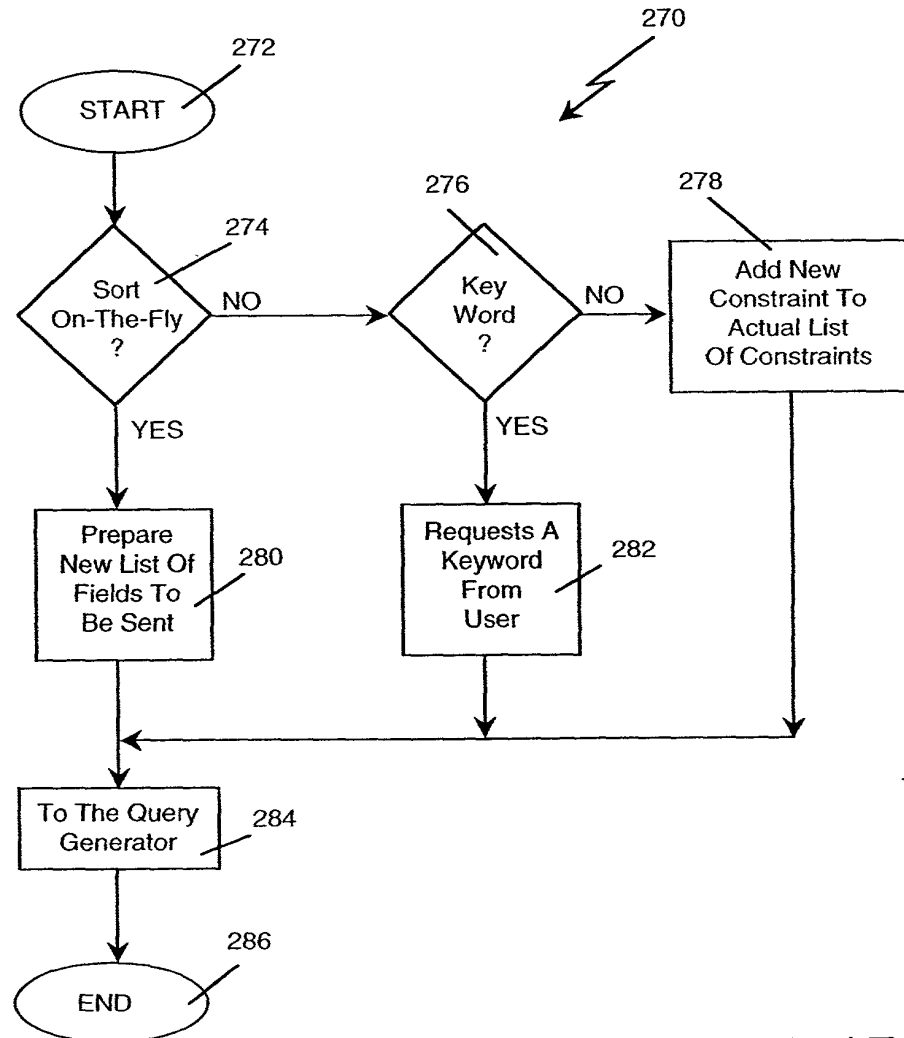


FIG. 17

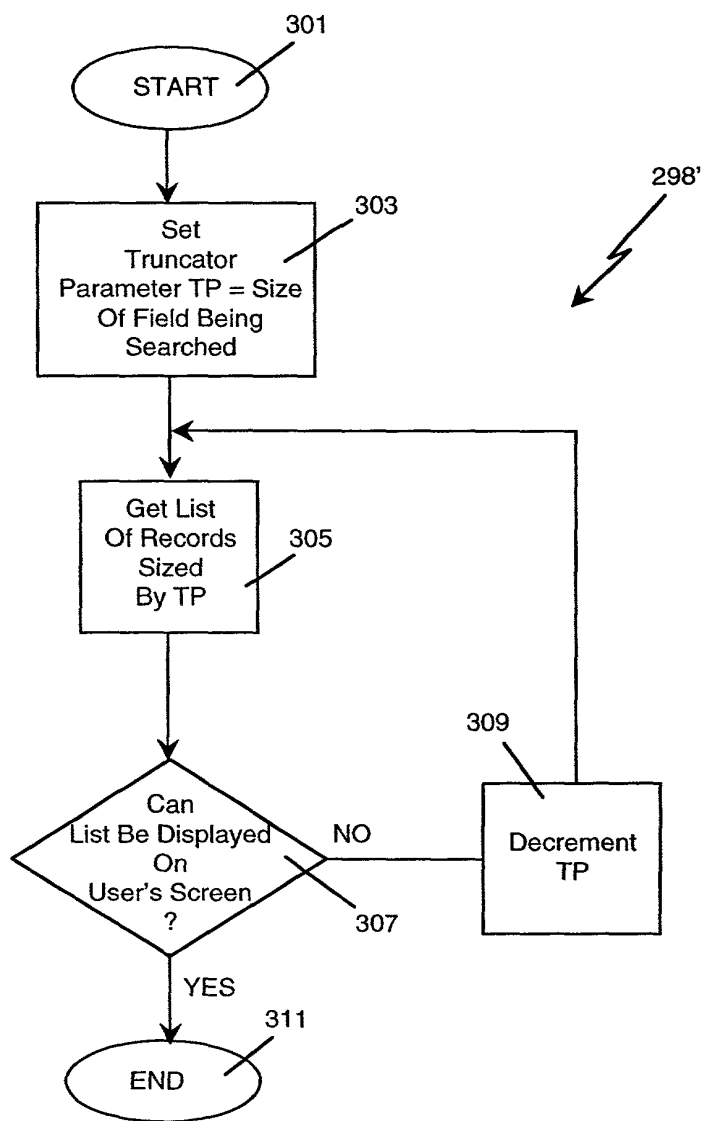


FIG. 18

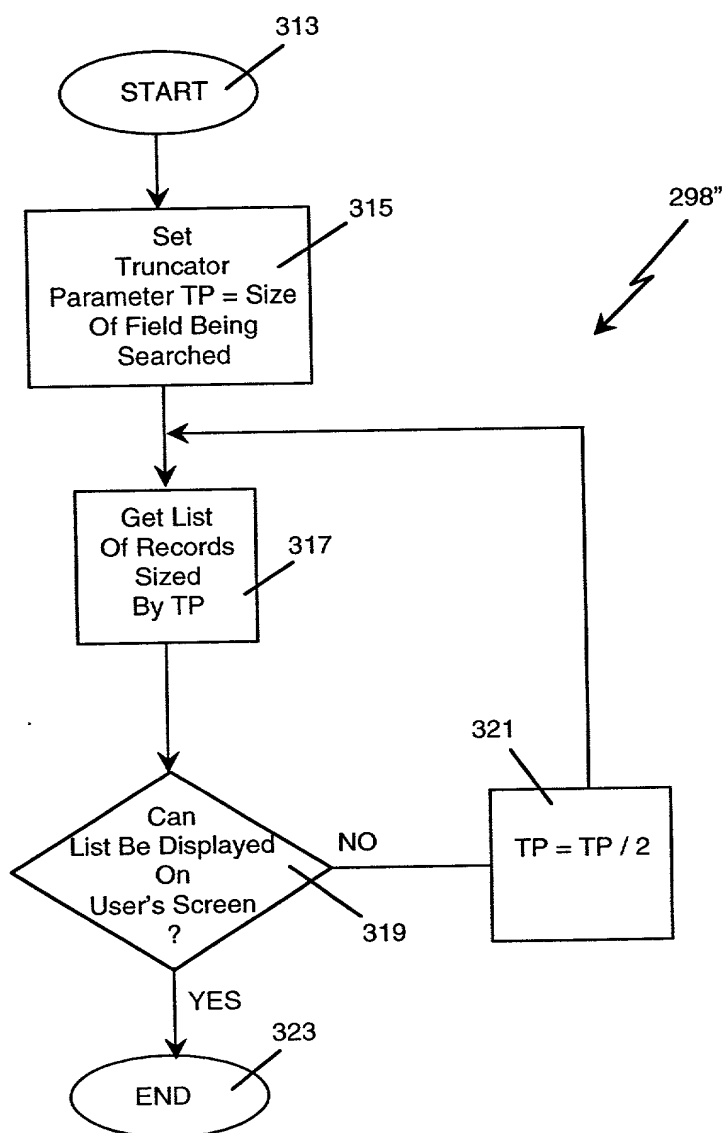


FIG. 19

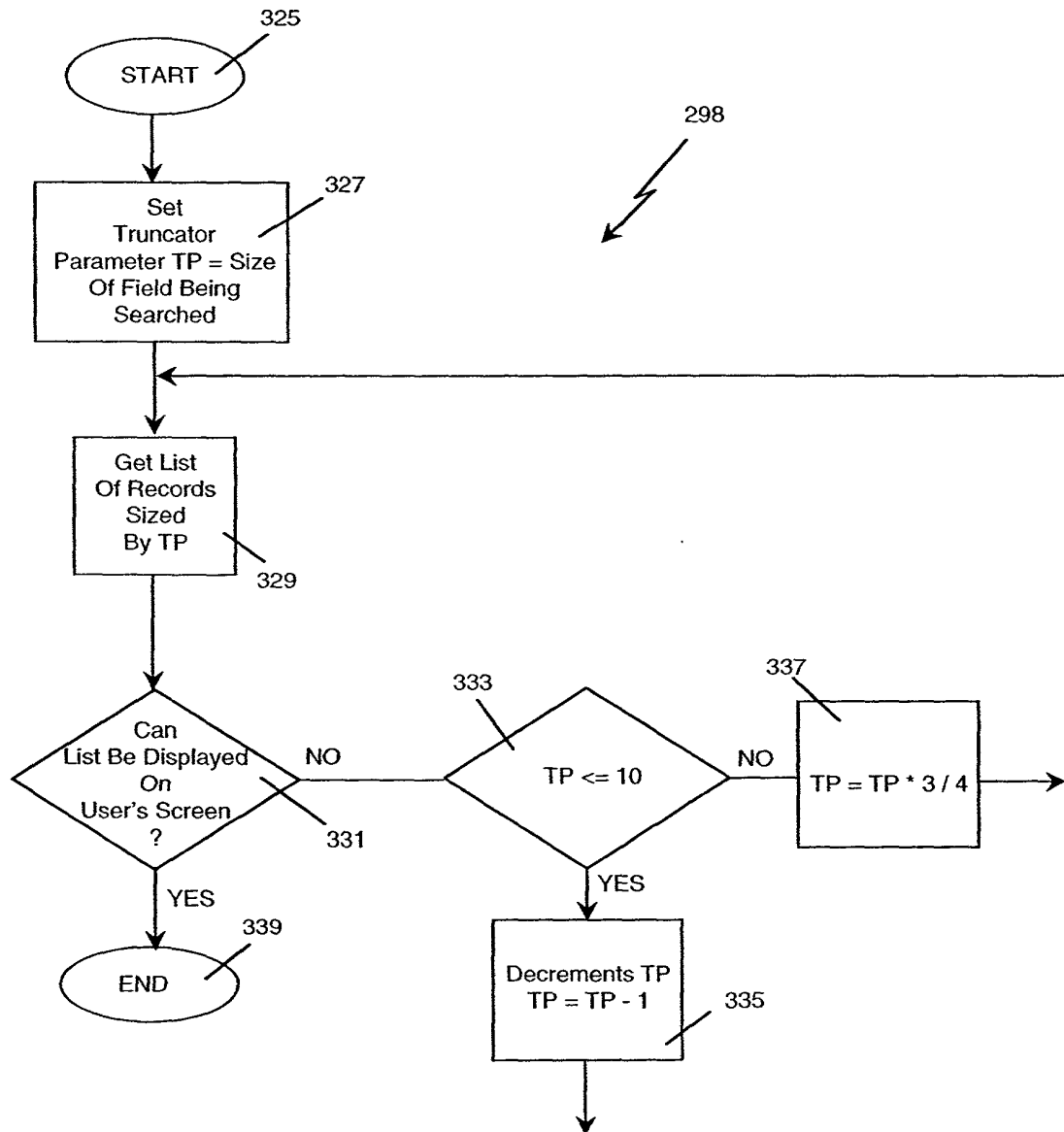


FIG. 20

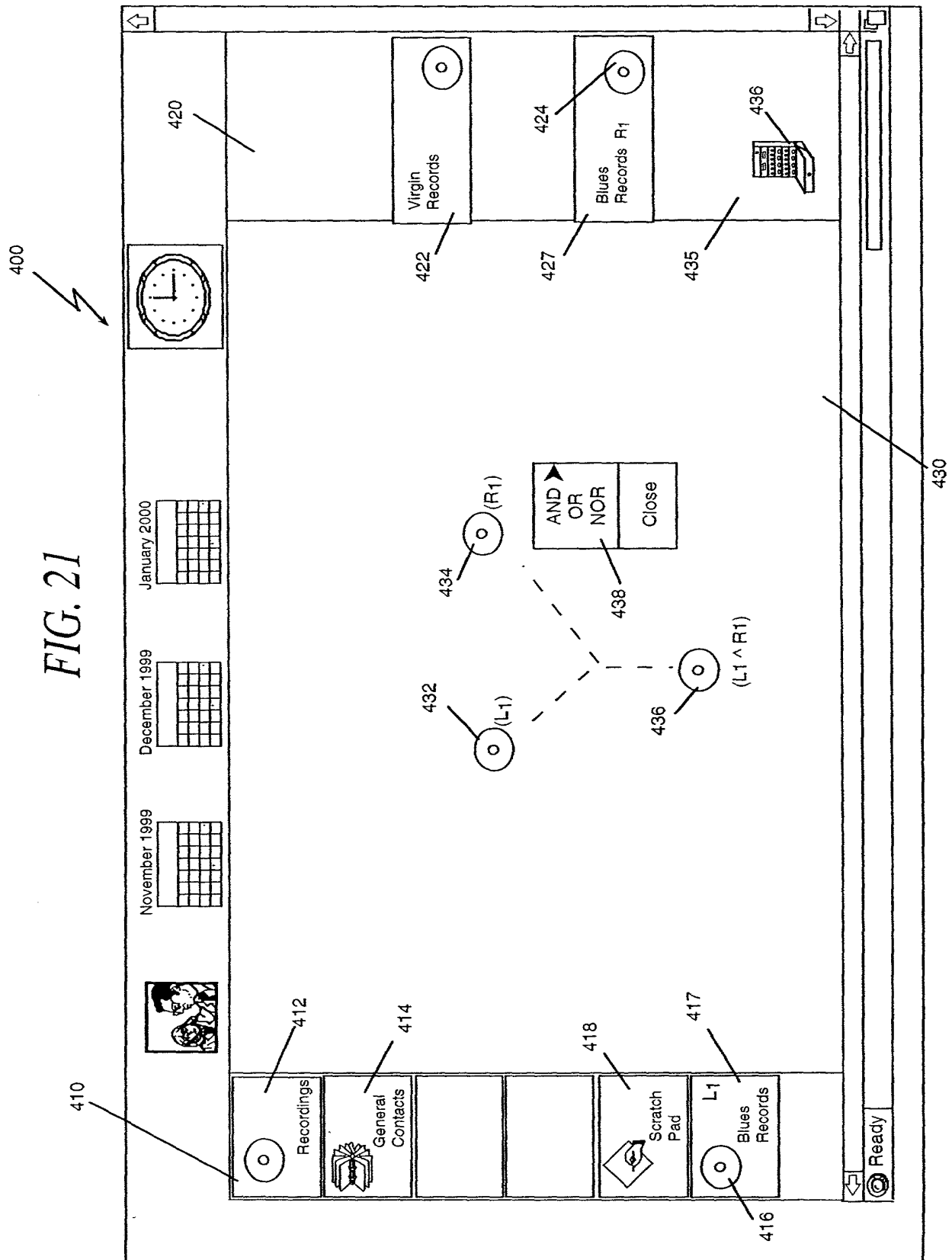


FIG. 22

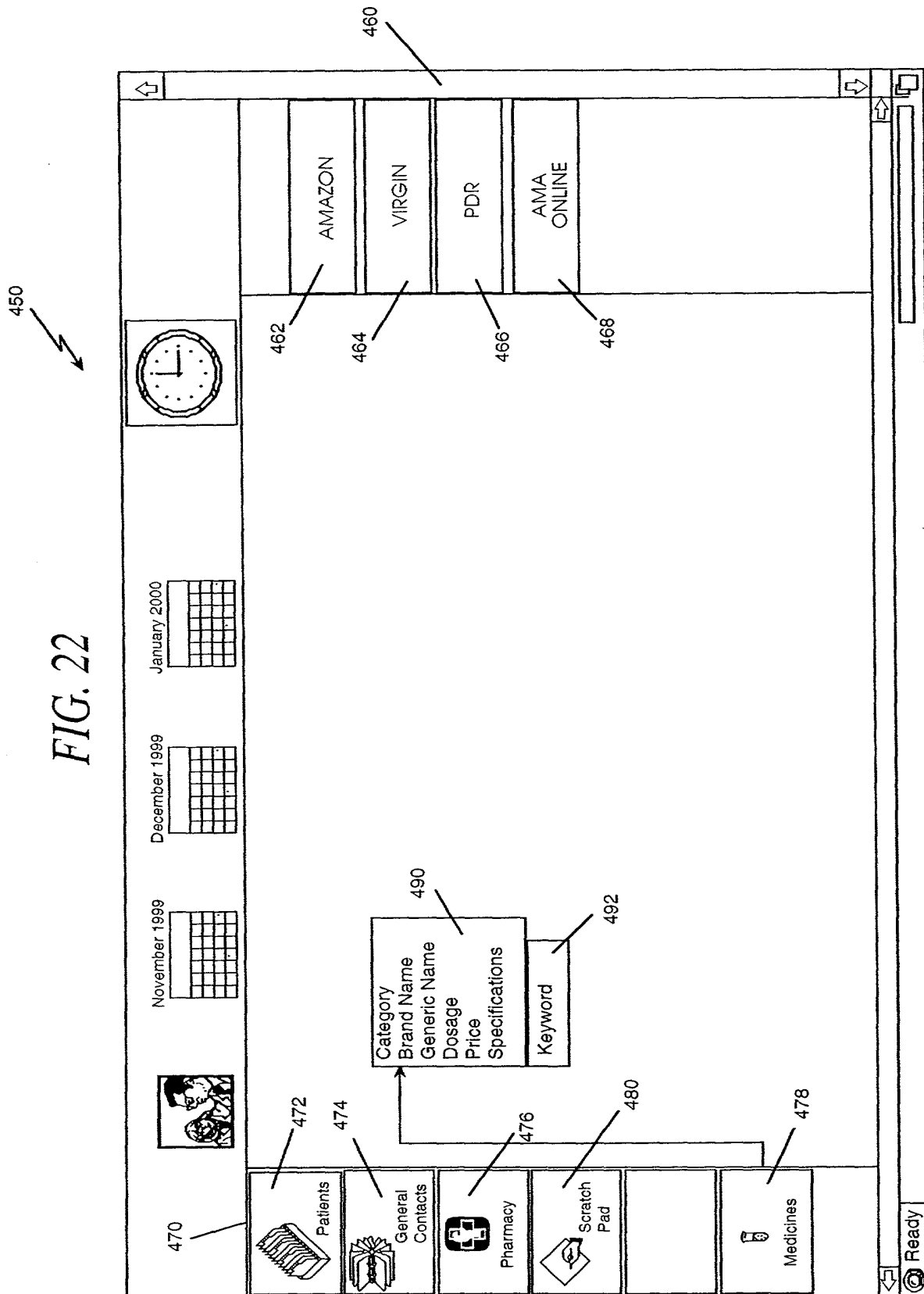


FIG. 23

FIG. 23

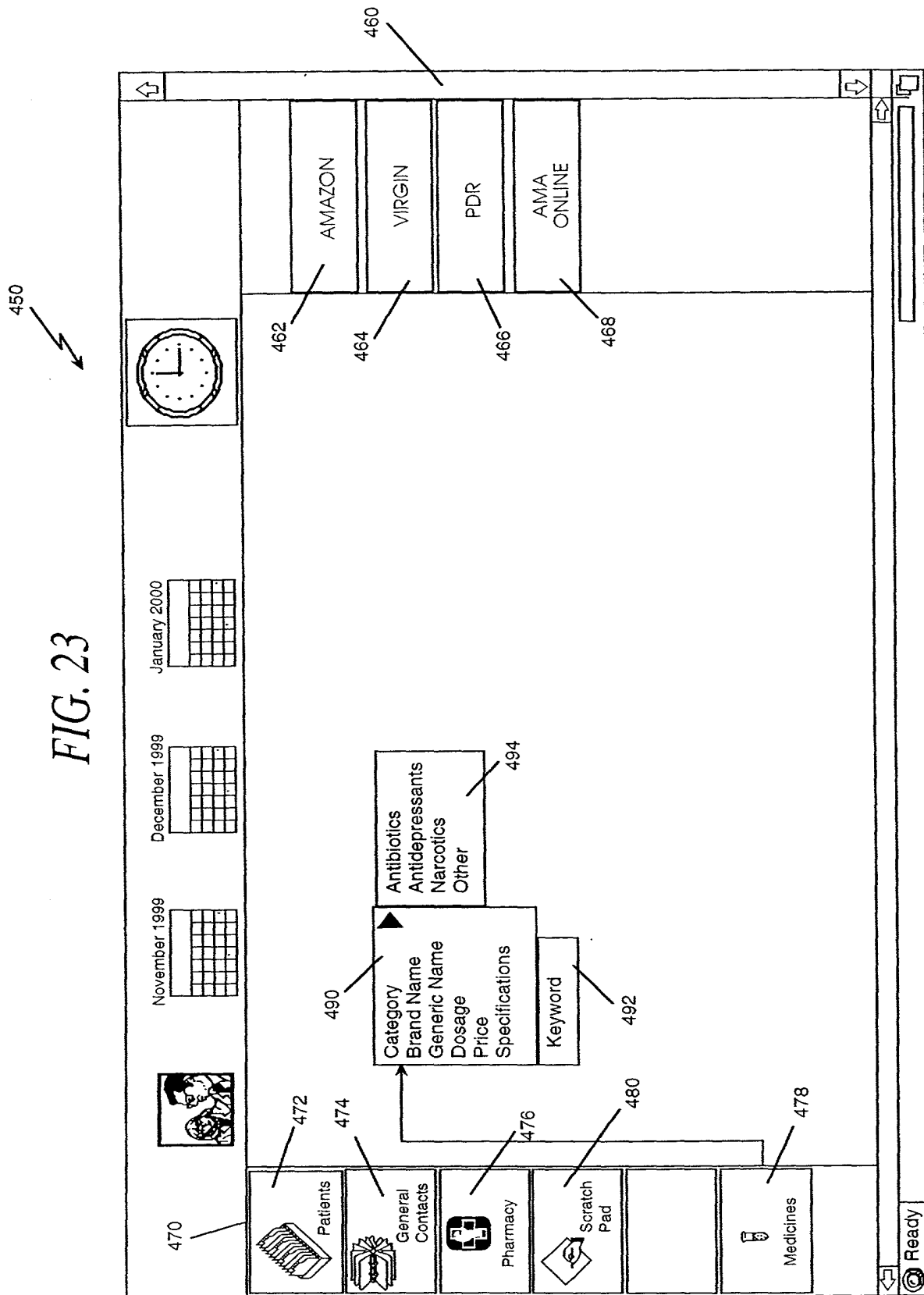
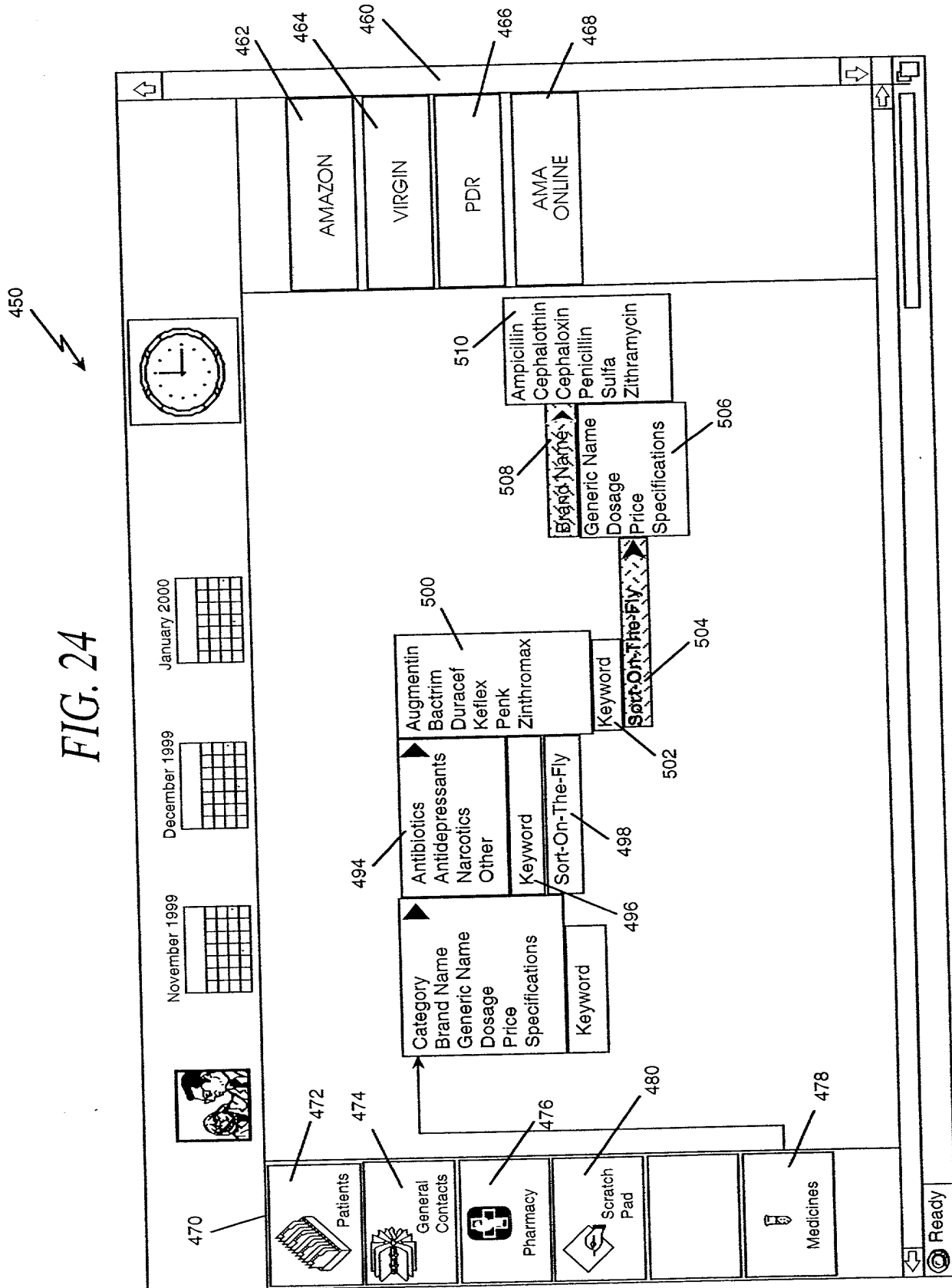


FIG. 24

FIG. 24



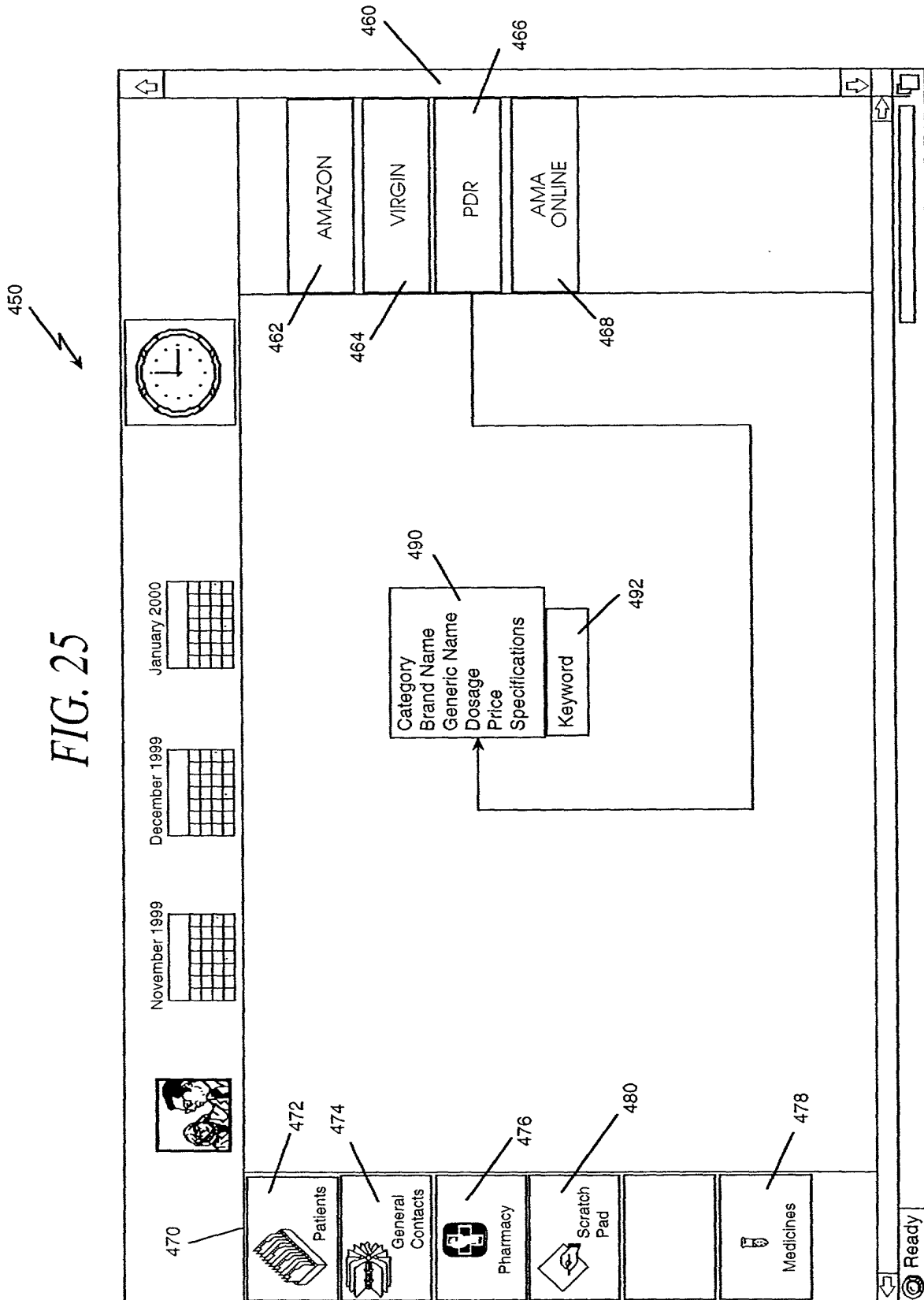
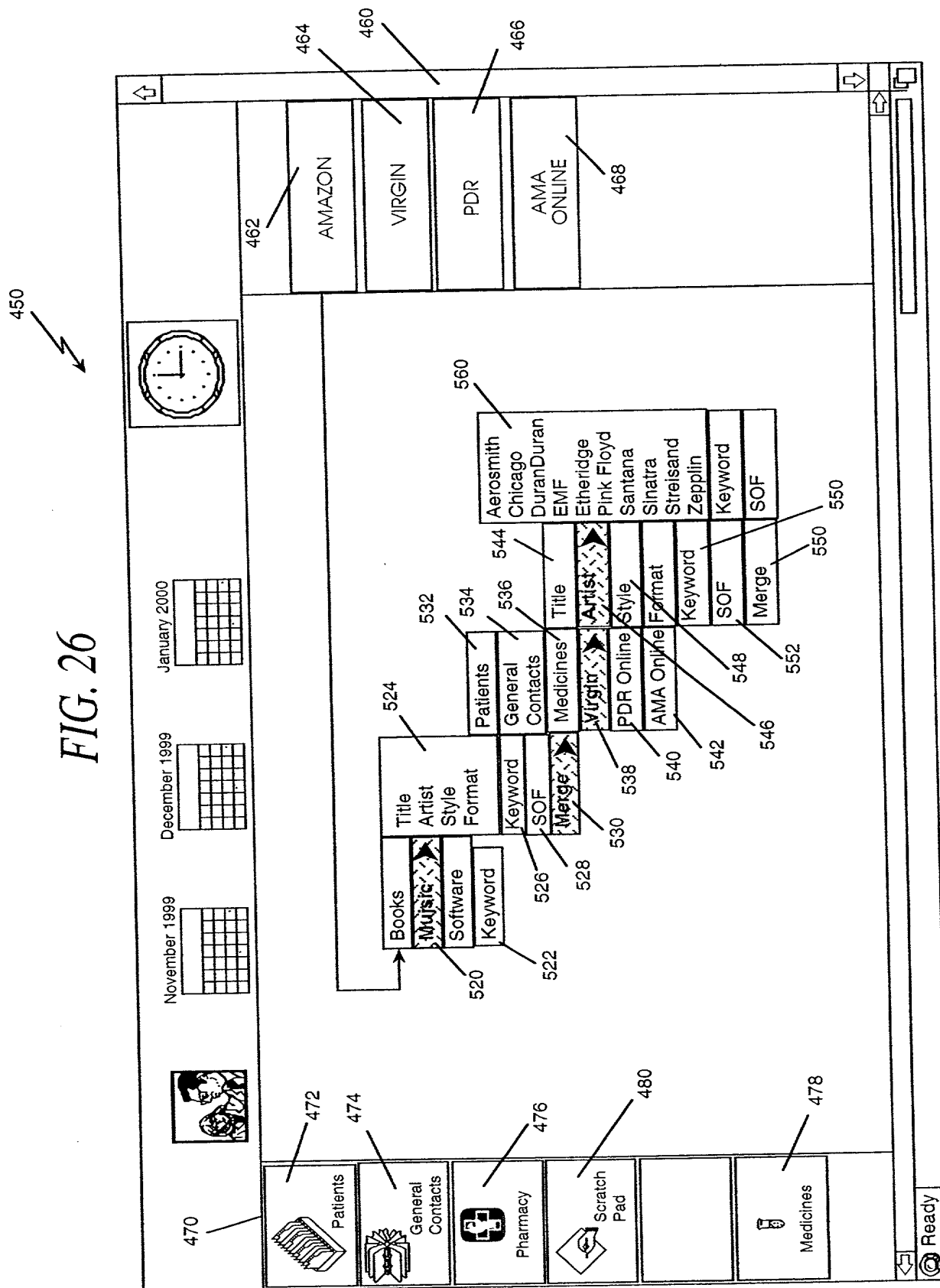


FIG. 26

FIG. 26



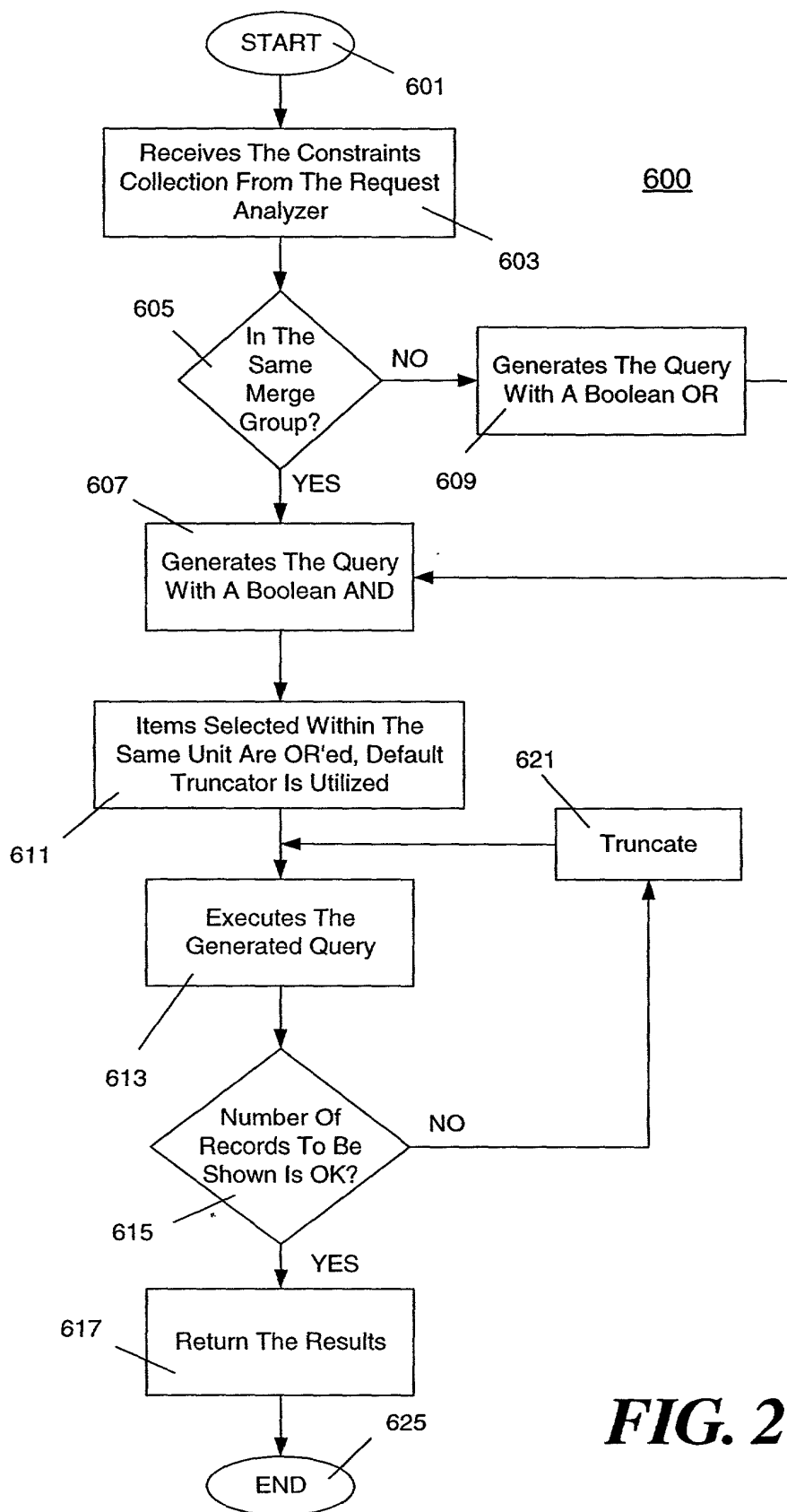
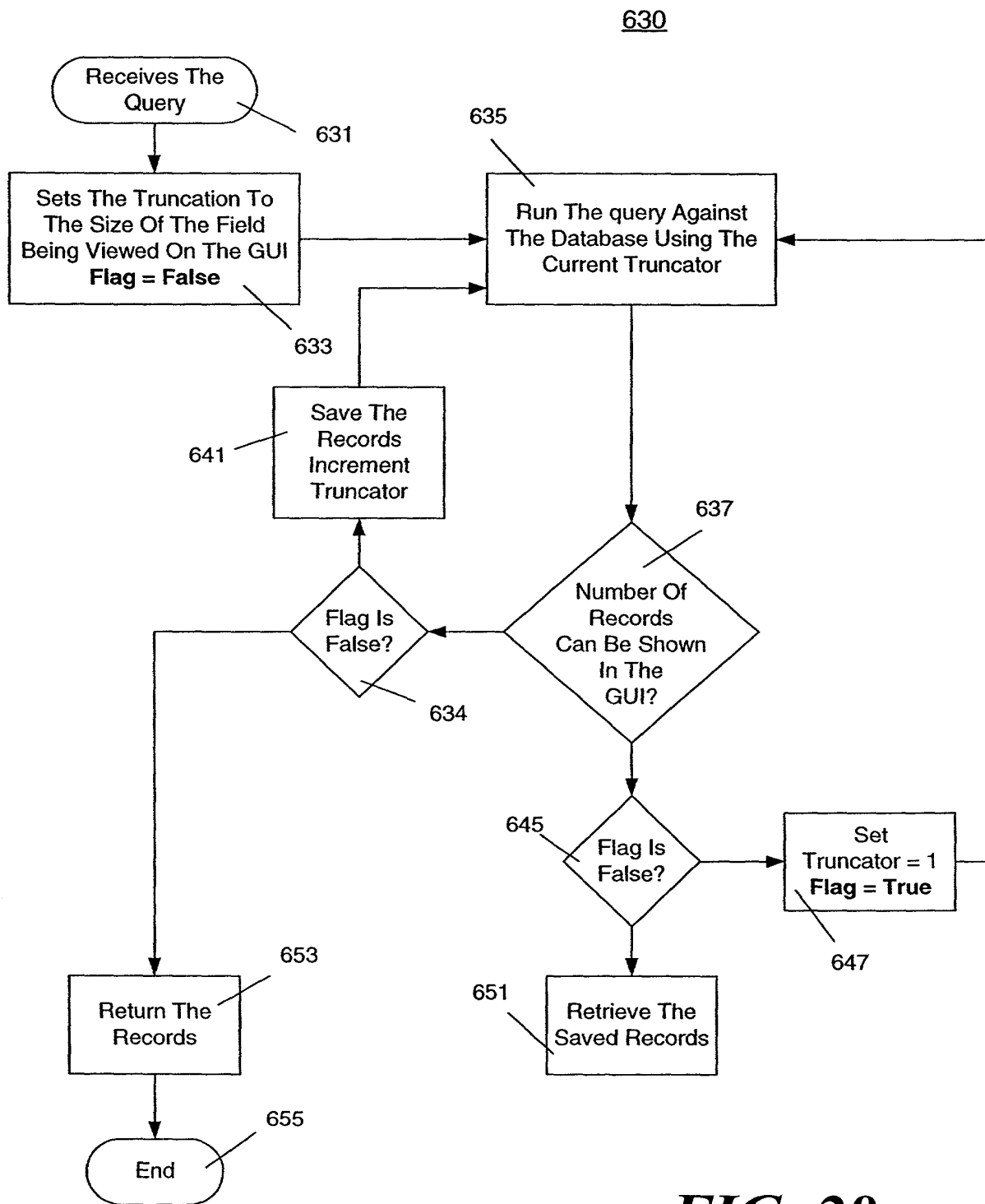


FIG. 27



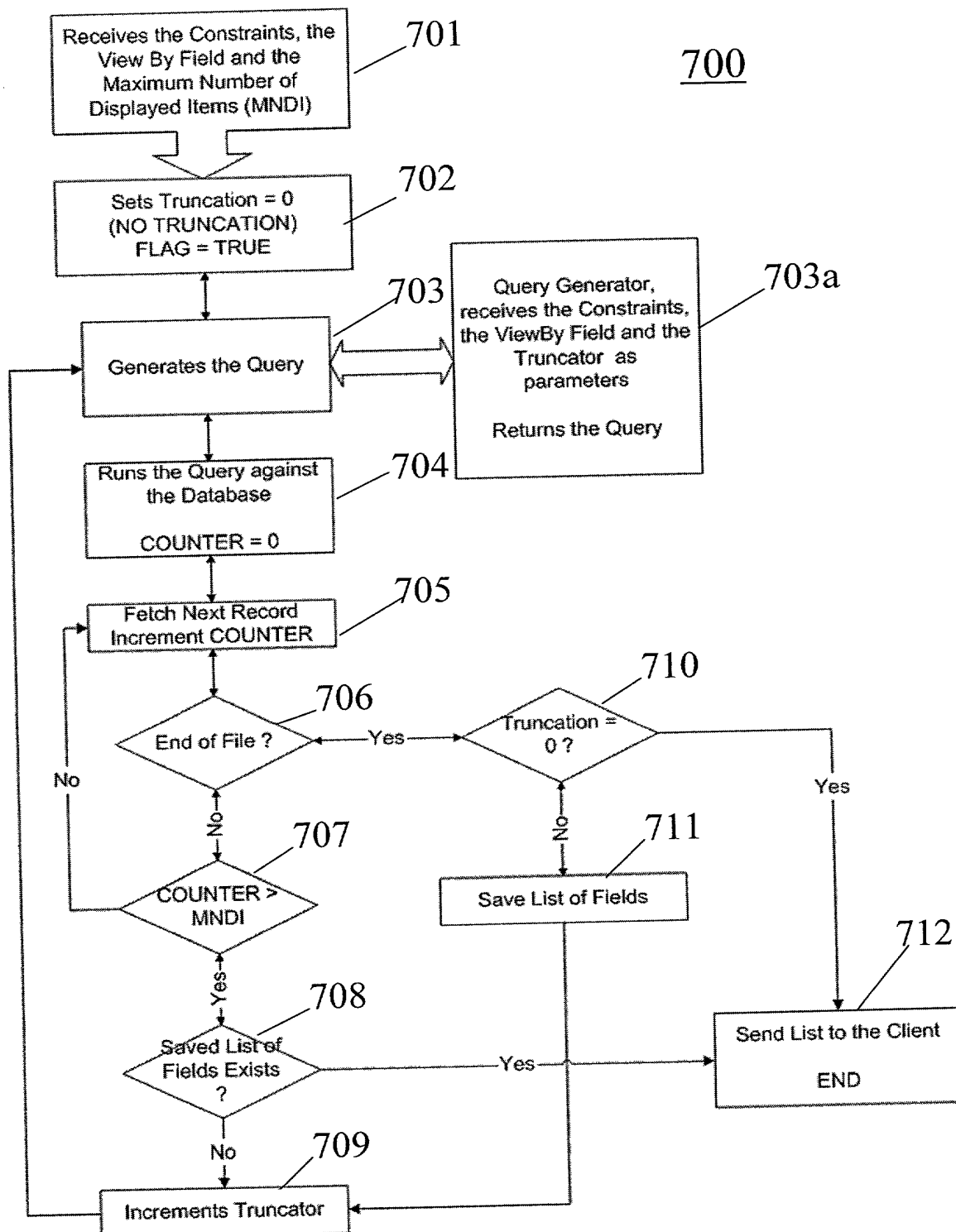


FIG. 28b

Contact Name: Aldo Noto (703) 288-5250

Attorney Docket No.: 5607

FIG. 29

[illegible]

Attorney Docket No.: 5607

FIG. 30

[illegible]

Attorney Docket No.: 5607

FIG. 31

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FIG. 32

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Attorney Docket No.: 5607

FIG. 33

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Attorney Docket No.: 5607

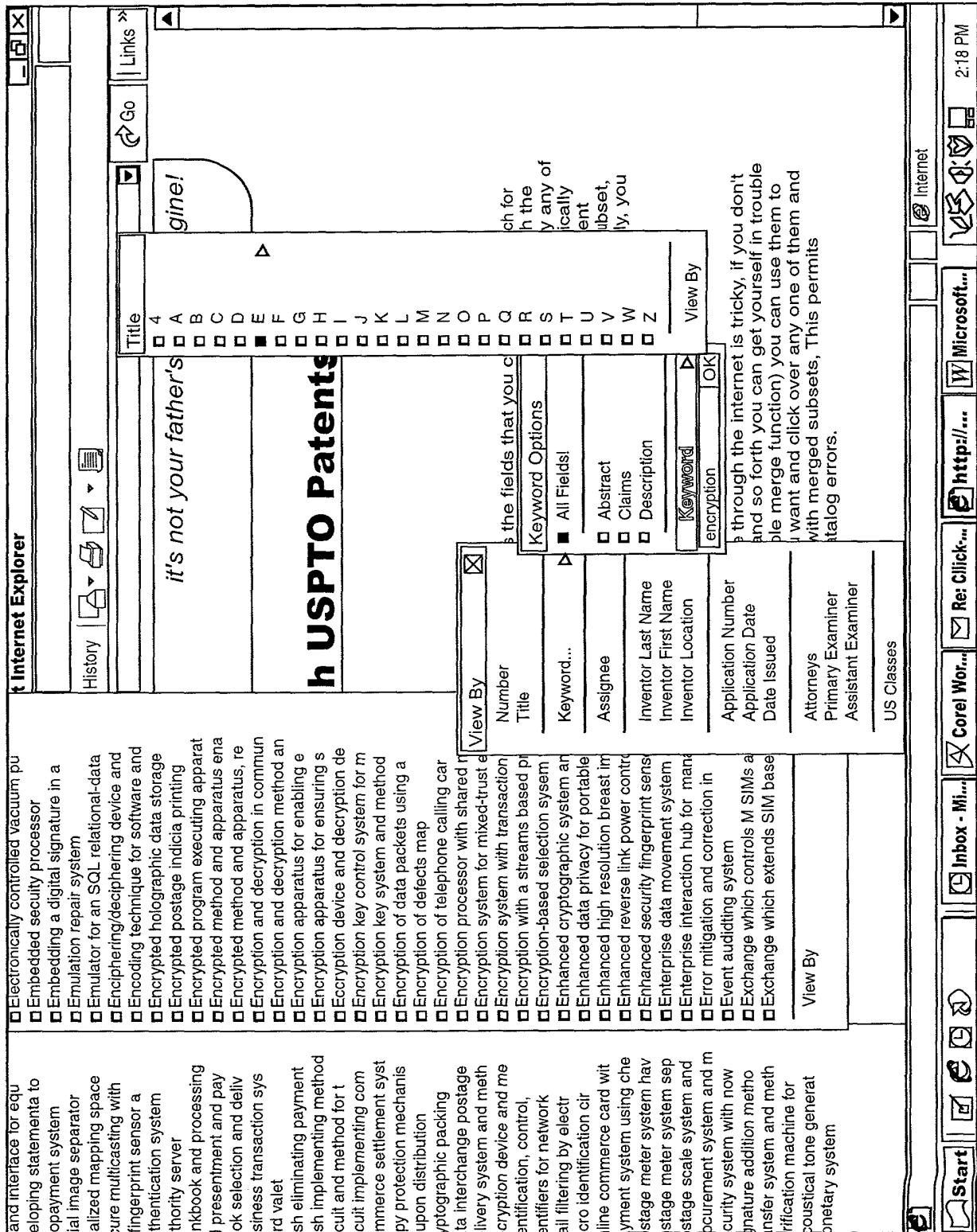
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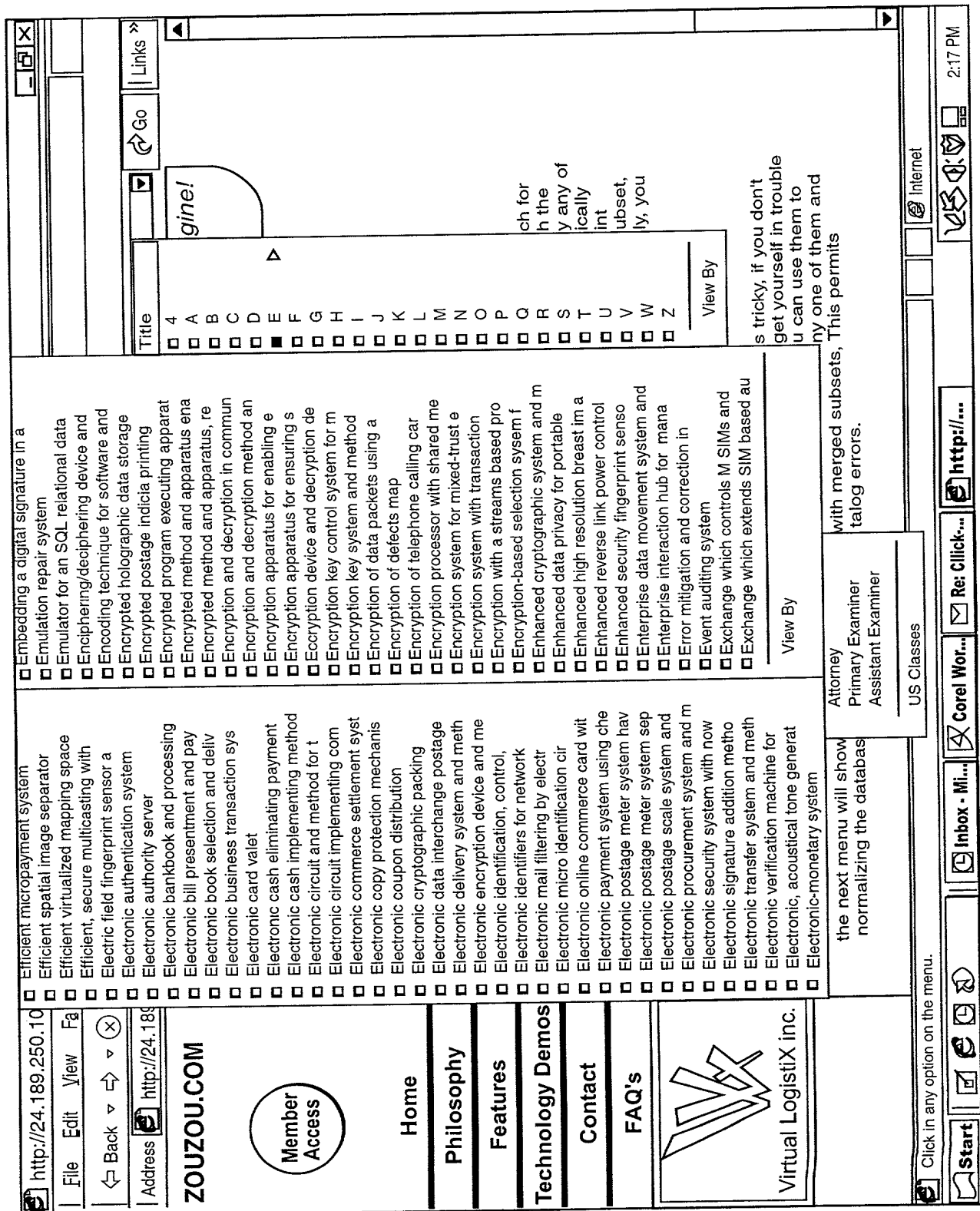
Attorney Docket No.: 5607

FIG. 35

[illegible]

MDIForm1		Assignee
<p>Patent Title</p> <p>Anisotropic retardation layers for display devices Dampener roll cover and methods of preparation and use thereof Damping unit for globular storage tank Dark acrylic pressure-sensitive adhesive Dark acrylic accumulation system Dark cartridge with secondary tape guides Data processing form Data storage structure of garment patterns to enable subsequent computerized prealteration DC Power supply for high power discharge devices Decorizable imaging system Decorative ribbon or sheet material Demand and timed renewing imaging media Dental filling composition utilizing zinc-containing inorganic filler Dentin and enamel adhesive Desensitizer for ferromagnetic markers used with electromagnetic article surveillance systems Desensitizing dyes for photographic emulsions Detectable abrasive disk Detecting system Detection of articles Developer compositions for silver halide photographic materials comprising cyclic amino methane diphosphonates Developer compositions having layer of a pigment on the surface thereof Developer material level sensor Developer powder supply cartridge Developing powder composition containing a fluorine-modified alkyl siloxane Device and method for applying flexible balls to containers Device for backing butt-welds between tubes Device for cutting a support helix for a radially expanded resilient sleeve Device for exposing colorant to be transferred Device for forming graphics Device for fusing lengths of film over the open ends of cups Device for restraining an object or objects therein Device to slow solenoid actuation motion Diagnostic radio-labeled polysaccharide derivatives Diaper closure utilizing pressure-sensitive adhesive tape having textured foil backing Diazonium imaging system Dielectric stress relief at a high voltage cable termination Diffraction lens Digital communications system with automatic frame synchronization and detector circuitry Digital frame synchronizing circuit Digital motor control system Dimensionally-controlled cobalt-containing precision molded metal article Direct positive silver halide emulsions containing quaternized merocyanine dyes Directional radiation detector Disc cartridge Disc dispenser Discernible dental sealant Disinfecting method and compositions Disk cartridge Disk loading mechanism for disk cartridge</p>		
<p>Patents - Assignee</p> <p>3M Innovative Company (St. Paul, MN) 3M Company (St. Paul, MN) 3M Innovative Properties (St. Paul, MN) 3M Innovative Properties Co (St. Paul, MN) 3M Innovative Properties Co. (St. Paul, MN) 3M Innovative Properties Company (St. Paul, MN) 3M Innovative Properties Company (Saint Paul, MN) 3M Innovative Properties Company (St. Paul, MN) 3M Innovative Properties Company (St. Paul, MN) 3M Innovative Properties Company (St. Paul, MN) 3M Innovative Properties Corporation (Montreal, CA) 3M Process Systems</p>		
<p>Merged Subset Patents - Title</p> <p>Diagnostic printing plate Drop wire connector Dry magnetic pressure-fixable developing powder Dry strip anthralin layer for photothermographic film Dry transfer article Dry transfer graphics article and methods of preparation and use thereof Dry transfer graphics article method of preparation Dual grooved Fresnel lens for overhead projection Dual particle population magnetic recording medium Dual status magnetic marker having magnetically biasable flux collectors for use Durable glass elements Durable melt-blown particle-loaded sheet material Durable, polishable direct filling material Durably stain-repellent and soil-resistant pile fabric and process Dust mop Dust mop frame Dyed aqueous air foams Dyes suitable for sensitization of photoconductive systems Electrical connector tape Electrically conductive metal oxide coatings Method for writing arbitrary index perturbations in a wave-guiding structure</p>		
<p>View By... Merge</p>		
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Inventor(s): Joseph L. DeBellis

Contact Name: Aldo Noto (703) 288-5250

Attorney Docket No.: 5607

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it's not your father's search engine!

Patent: 5935246

Electronic copy protection mechanism using challenge and response to prevent unauthorized execution of software

Date Filled:

4/11/1997

Date Issued:

8/10/1999

Application Number:

838620

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USPTO

Abstract:

A copy protection mechanism for protecting software against copying, consists of a challenge mechanism embedded in each protected item of software. The challenge mechanism has no access to the customer's private keying material. In operation, the challenge mechanism sends a random challenge to the customer's signature server. The signature server signs the challenge, using the customer's private keying material and then returns the signed challenge to the challenge mechanism. The challenge mechanism then verifies the signed challenge, using the customer's public keying material, and prohibits the customer from using some or all of the protected item of software unless the verification is successful. The mechanism permits every customer to receive an identical copy of the copy protected program with the embedded challenge mechanism.

Inventors:

Benson, Glenn Stuart

Inventor Location:

Munich, DE

Assignee:

International Computers Limited (Limited, GB)

US Classes:

713/200

713/201

International Classes:

US References:

4558176

4926480

4947430

5109413

5146575

5224163

5315657

5371794

5436972

5568552

5724425

Foreign References:

Primary Examiner:

Kizou, Hassan

Assistant Examiner:

Mai, Rijue

Attorney:

Lee, Mann, Smith, McWilliams, Sweeney & Ohlson

Claims:

FIG. 39

0935565-082401
"04280" 995566

Attorney Docket No.: 5607

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Attorney Docket No.: 5607

FIG. 41

[illegible]

Attorney Docket No.: 5607

Attorney Docket No.: 5607

[illegible]

Attorney Docket No.: 5607

FIG. 44

[illegible]

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Attorney Docket No.: 5607

FIG. 45

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S.O.F.

Primary Examiner

C. A
Cahn
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Primary Examiner

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Title
Patent Number

Inventor Name
Inventor's Location
US References
Foreign References
US Classes
International Classes
Application Number
Application Date
Issue Date

Primary Examiner

Assistant Examiner
Attorney
Assignee

Primary Examiner

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Primary Examiner

Casaregola, Louis J.
Casaregola, Louis L.
Casaregola, Louis J.
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10:41 AM

Contact Name: Aldo Noto (703) 288-5250

Attorney Docket No.: 5607

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<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> View BY Title Patent Number Inventor Name Inventor's Location </div> <div style="border: 1px solid black; padding: 5px;"> US References Foreign References US Classes International Classes Application Number Application Date Issue Date </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Primary Examiner: Assistant Examiner Attorney Assignee </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Primary Examiner Dahl, Lawren Dan, Hoang C Dang, Hoang Dang, Thi Danison, Wal Daus, Donald Daus, Donld Daus, Douglia Daus, Donal David Smith, Dave, James Davis Jr., A Davis, Alber Davis, C. Davis, Curti Daws, Curti Davis, Jenna Davis, Jr. A Davis, Jr., Davis, C. Davis, Jr., Davis, Curti Dawson, Robe Dayoan, D.G De Boer, Tod Dean, Jr, R Dean, R Dean, R Dean, Richar Dean, W. Dear, R DeBoer, Todd Dechisle, Ant Deck, Randal Dees, Carl F Dees, Jose Dees, Jose G Dees, Jose/ Dees, Josee Dees, JoseG. Dehrend, Har Demeo, Palme Demers, Arth DeMille, Dan Denion, Thom Dertz, Berna Derrington, Desmond, Eug Di Palma, Vi Diehl, Dwigh Diet, Philip </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Primary Examiner 0 1 2 3 4 5 6 7 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Primary Examiner Didline, Jr. DiPalma, Vic Dixon Jr., W Dixon, Harol Dixon, Josep Dixon, Jr., Dixon, Willi Dixon, Harol Dixonson, Jr., Dixonson, Jr., Dobeck, B. Dobeck, Benj Dobeck, G. Dobeck, H. Dollnar, And Doll, John Donovan, Lin Dority Carro Dority, Caro Dority, Carr Dority, Jr. Dority, Jr., Dority, Jr., Dornier Kenn Dornier, Kenn Dost, Gerald Dote, Janis Dote, Janis Doudreau, Le Douglas Wins Douglas, Win Downey, K. Downey, Kenn Downey, Mary Draper, Garn Draper, Garr Drezen, Norm Drezin, Norm Drodge, Jose Drummond Dou Drummond, Do Dugan, Donov Dugan, James Dugga, Donov Duggan, Dono Duzan, James Dwyer, James Dziehczynski, Dziehczynski, </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Primary Examiner Dees, Jose Dees, Jose G. Dees, Jose/ Dees, Josee G. Dees, JoseG. View By... </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> View BY </div> <div style="border: 1px solid black; padding: 5px;"> View BY </div>

Attorney Docket No.: 5607

FIG. 47

<div> <div>MDI Form 1</div> <div>S.O.F.</div> </div>		<div> <div>MDI Form 1</div> <div>Harrop 2.doc...</div> <div>MDI Form 1</div> <div>10:44 AM</div> </div>	
<div> <div>Assignee</div> <div> Ulano Corporation (Brooklyn, NY) Uldicks: Charles D. (Newbury Park, CA) Uliapara Holdings Pty. Ltd. (New South Wales, AU) Ulinic France (Paris, FR) Ulrich Baensch (Melle, DT) Ulrich Luboschik (DE) Ullstein Propeller A/S (NO) Ullimage Inc. (Quebec, CA) Ultimate Window Coverings, Inc. (Lakewood, CO) Ultra Light Arms, Inc. (Granville, WV) Ultra Mortar, Inc. (Ogden, UT) Ultra Plating Corporation (Green Bay, WI) Ultra-Centrifuge Nederland N.V. (Almelo, NL) Ultra-Mold Corporation (Willow Grove, PA) Ultra-Precision Manufacturing, Ltd. (Birmingham, MI) Ultra-Violet Products, Inc. (San Gabriel, CA) Ultracentrifuge Nederland N.V. (The Hague, NL) Ultracent Products, Inc. (Salt Lake City, UT) Ultradent Products, Inc. (South Jordan, UT) Ultrafibre, Inc. (Granville, OH) Ultrakrist Electronic GmbH (Ruhmannsfelden, DE) Ultralife Batteries, Inc. (Newark, NY) Ultramatic Embroidery Machine Company (North Haven, CT) Ultramatic Equipment Company (Addison, IL) Ultramatrix, Inc. (Los Angeles, CA) Ultramed Corporation () UL TRAMET (Pacoima, CA) Ultrasonic Arrays, Inc. (Woodinville, WA) Ultrasonic Energy Corporation (Riverdale, NY) Ultrasonic Systems, Inc. (Farmingdale, NY) Ultratec, Inc. (Madison, WI) Ultratek International, Inc. (Concord, CA) UltraThermics (Redmond, WA) Ultraviolet Purification Systems (Bedford Hills, NY) Ultraviolet Purification Systems, Inc. (Bedford Hills, NY) Ultraystems Defense and Space, Inc. (Irvine, CA) Ultronic Systems Corporation (Moorestown, NJ) Ultror International (Santa Ana, CA) Uly-Pak, Inc. (Carbondale, IL) Uly-Pak, Inc. (Ulysses, KS) Ulysses Corporation (St. George, UT) </div> </div>		<div> <div>Assignee</div> <div> U U- U Ua UB UC Ud Ue UF Ug UH UK Ul Um Un UO UP UR US Ut Uv Uz </div> </div>	
<div> <div>Assignee</div> <div> " (1 2 3 5 7 8 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z </div> </div>		<div> <div>Assignee</div> <div> U U- U Ua UB UC Ud Ue UF Ug UH UK Ul Um Un UO UP UR US Ut Uv Uz </div> </div>	
<div> <div>ViewBY</div> <div> Title Patent Number Inventor Name Inventor's Location US References Foreign References US Classes International Classes Application Number Application Date Issue Date Primary Examiner Assistant Examiner Attorney Assignee </div> </div>		<div> <div>ViewBY</div> <div> Title Patent Number Inventor Name Inventor's Location US References Foreign References US Classes International Classes Application Number Application Date Issue Date Primary Examiner Assistant Examiner Attorney Assignee </div> </div>	

Attorney Docket No.: 5607

FIG. 48

[illegible]

Attorney Docket No.: 5607

FIG. 49

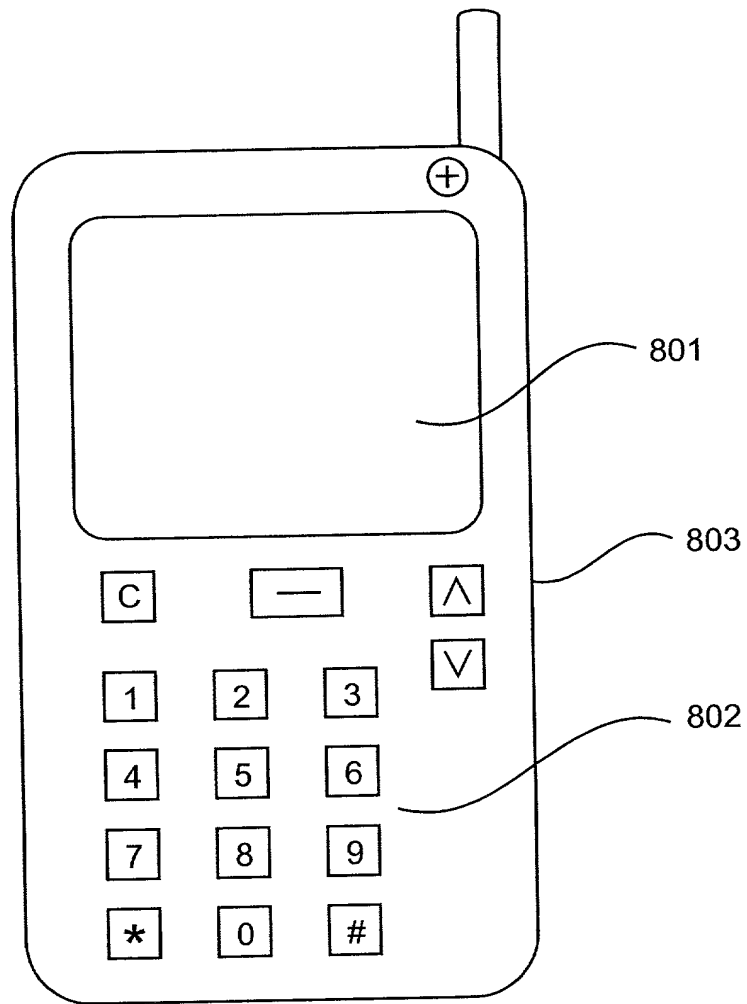
MDI Form 1 S.O.F. (4008054) Process for making low-sulfur and low-ash fuels	<p>Title: <u>Process for making low-sulfur and low-ash fuels</u></p> <p>Assignee: <u>Consolidation Coal Company (Pittsburgh, PA)</u></p> <p>Attorney: <u>Mikesell, Jr., William A., Fowler, Jr., D. Leigh, Price, Jr., Stanle</u></p> <p>E examiner: <u>Dess, Carl F.</u></p> <p>Assistant Examiner:</p>	<p>Patent Number: <u>4008054</u></p> <p>Application Number: <u>540310</u></p> <p>Application Date: <u>1/10/1975</u></p> <p>Issue Date: <u>2/15/1977</u></p>	<p>=http://164.195.100.11/netacg /nph-Parse... <input type="checkbox"/> <input type="checkbox"/></p> <p>8054;WKU,%25260S=PN/4008054%2526RS=PN/4008054 <input type="checkbox"/></p>
<p>Parent Case</p> <p>Description</p> <p>Other References</p> <p>Abstract</p> <p>Claims</p>	<div style="border: 1px solid black; padding: 5px;"> <p>Inventors:</p> <p>Clancey, James I. Gorin, Everett Reichl, Eric H. Rice, Charles H.</p> <p>Inventors Location:</p> <p>Pittsburgh, PA Pittsburgh, PA Pittsburgh, PA Pittsburgh, PA</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>1. Field of the invention This invention relates to a process for converting coal to low-sulfur and low-ash gaseous, liquid and solid fuels, and more particularly, to a process for supplying the energy requirements of a steel plant from an ash- and sulfur-containing coal. Description of the Prior Art The primary source of energy for the steel industry continues to be coke for the blast furnace. The conventional method for coke manufacture, that is, by slot ovens, requires a blend of high and low volatile coals of proper swelling properties to produce a strong coke without damaging the ovens. Beyond these physical properties, there is a need for desirable chemical properties (i.e. low ash and sulfur content) to permit low-cost production of high quality hot metal. With the continued expansion of the world's productive capacity for steel, a growing shortage of good metallurgical coals is developing, particularly those having the essential low volatile coal ingredients. Low-sulfur coals also are</p> </div> <div style="margin-top: 10px;"> <p>Classes References</p> <p>Exit Web ...</p> <pre> graph TD In[] --> Ind[Induration Zone] Ind --> Mix[Mixing Zone] Mix --> Form[Forming Zone] Form --> Frac1[Fractional Distillation Zone] Frac1 --> Solv[SOLVENT] Solv --> Liq[Coal Liquefaction Zone] Liq --> Frac2[Fractional Distillation Zone] Frac2 --> GAS[GASIFICATION ZONE] GAS --> TREAT[Gas Treatment Zone] TREAT --> ASH[Ash] TREAT --> CH4[CH4/CO/H2] TREAT --> FBTU[High BTU Gas] TREAT --> FUEL[Fuel] </pre> </div>		

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION

Inventor(s): Joseph L. DeBellis

Contact Name: Aldo Noto (703) 288-5250

Attorney Docket No.: 5607



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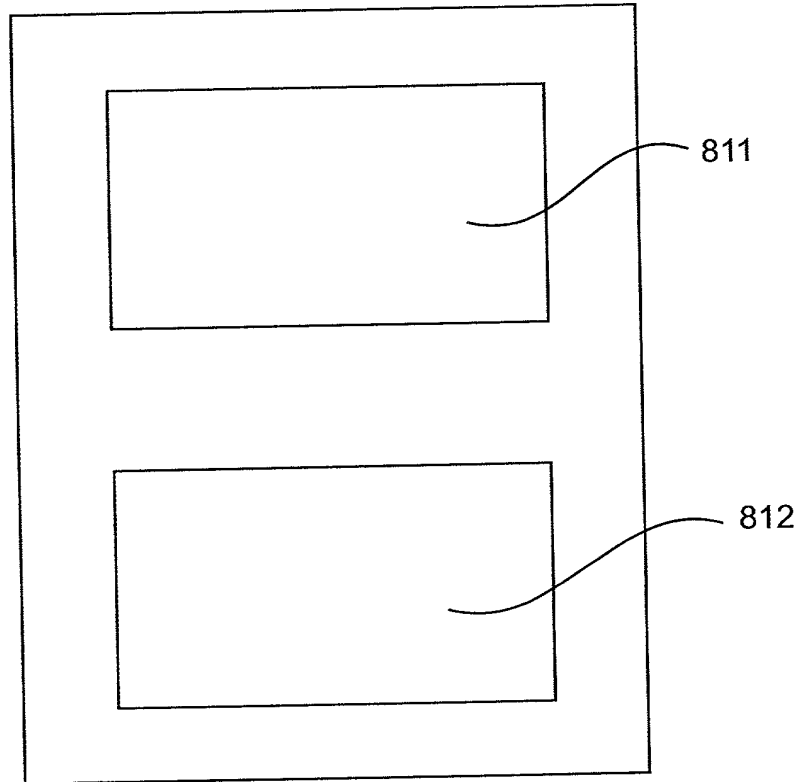
FIG. 50

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION

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FIG. 51

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION

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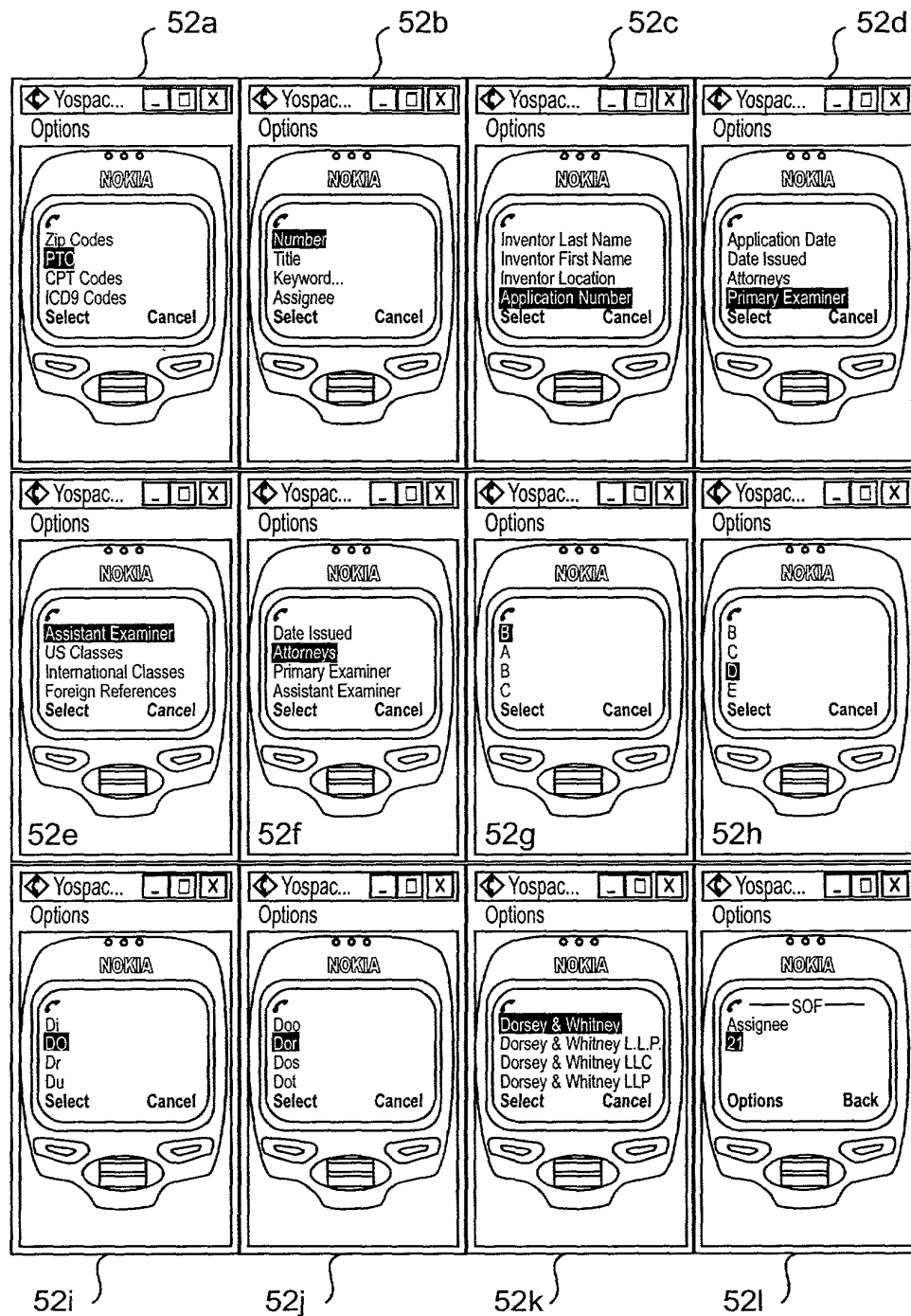


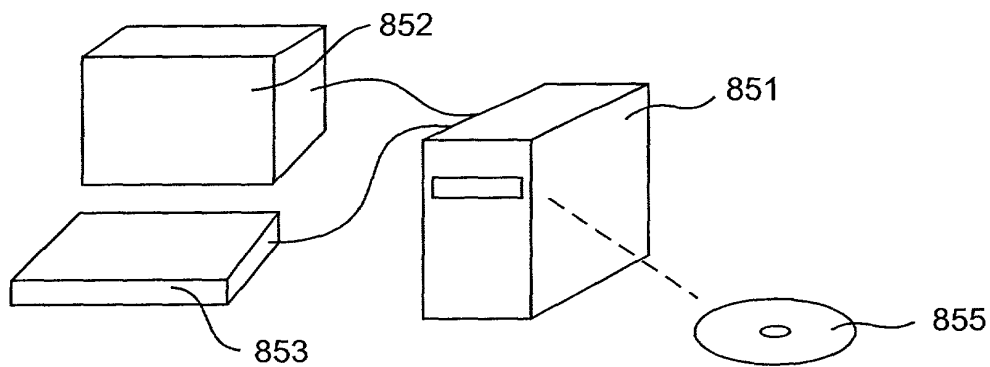
FIG. 52

Title: SEARCH-ON-THE-FLY WITH MERGE FUNCTION

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FIG. 53